

Vol. 7,

A. W. Stelfox diary

1935-1936.

Kerry Trips: July 1935

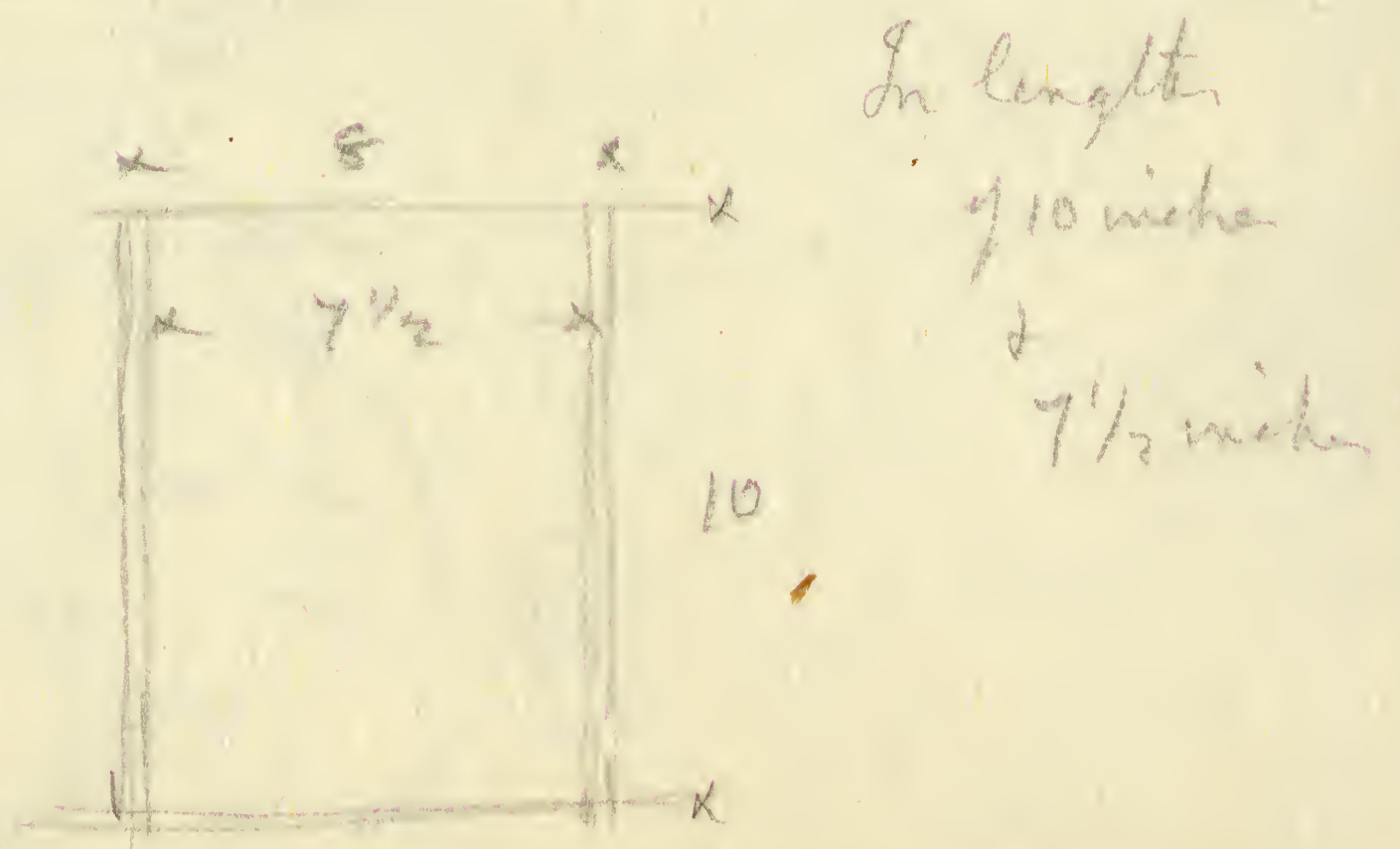
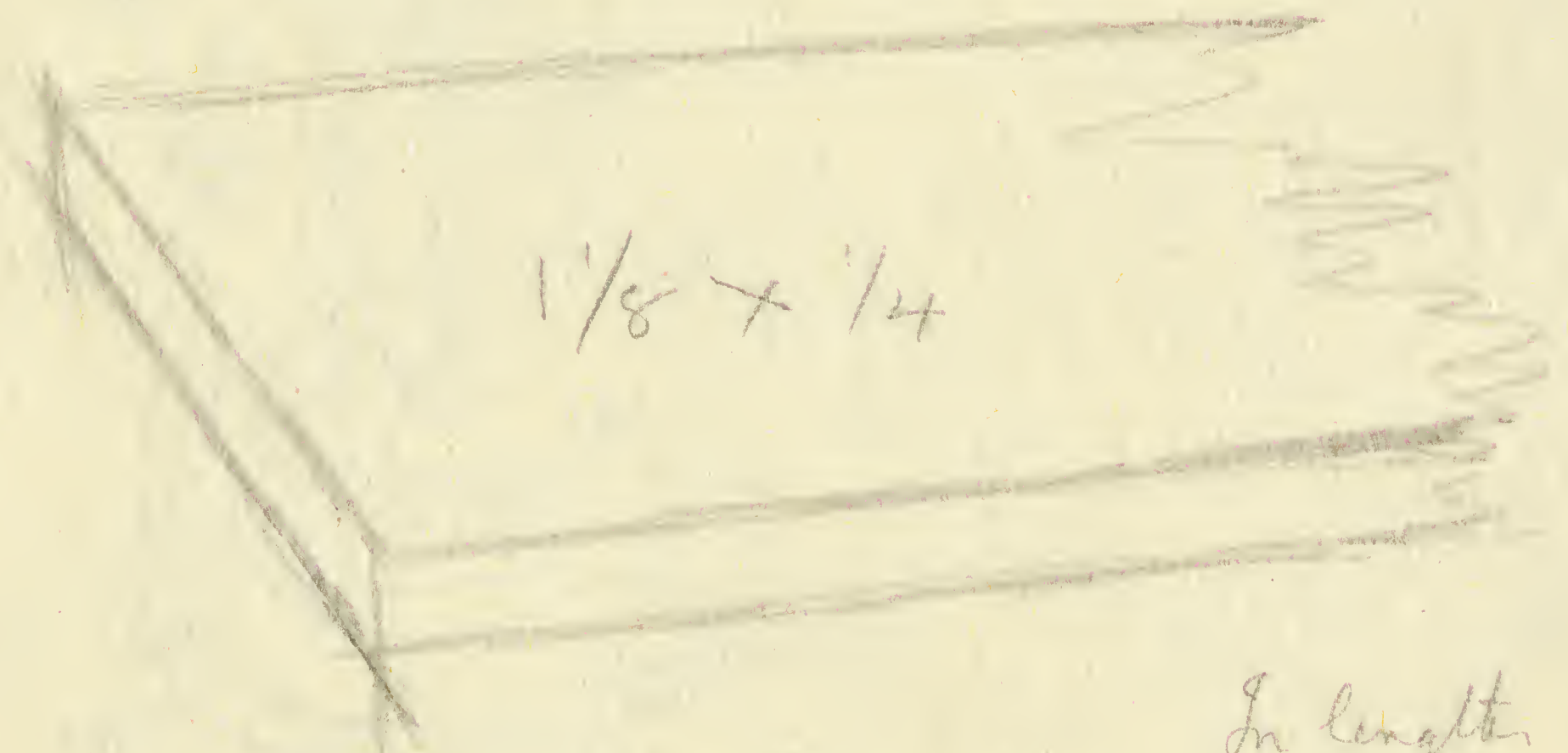
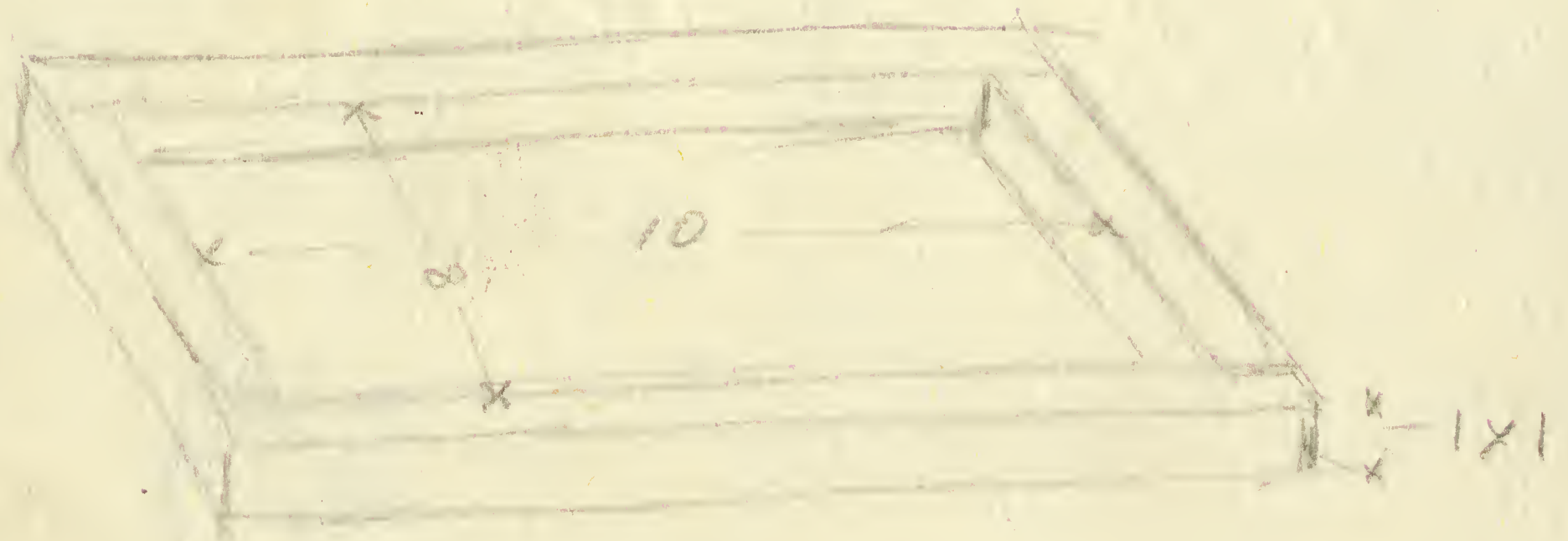
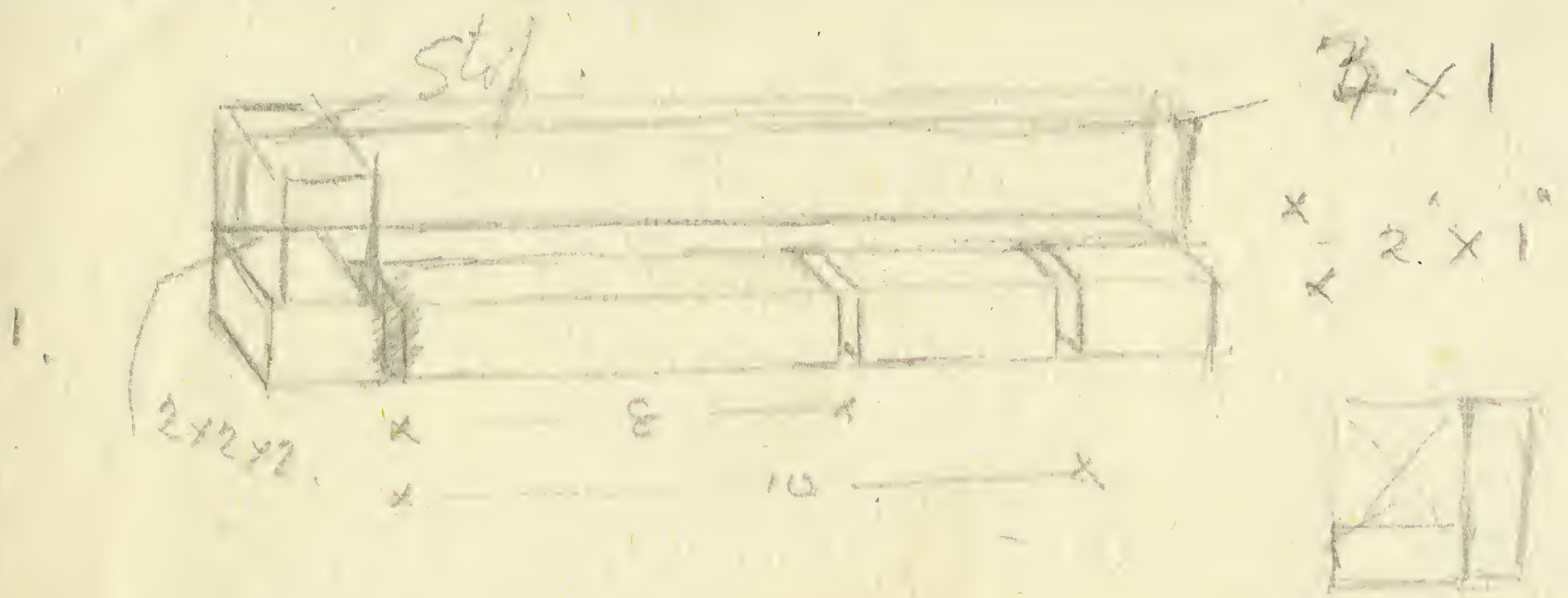
Spent 15 minutes in low E. of railway viaduct at
Mallory, E. Cork & here took on case: -

Crab soon like varieg.

Under bone of Hyoid tooth -

2

Two plays



Wanted

1. Template with slots at 8 & 10 inches
apart from top end.
2. Frame 10×8 inside.
3. 200 ft. lin. of $1\frac{1}{8} \times \frac{1}{4}$ lath, cleaned
& cut in len, th of 10 & $7\frac{1}{2}$ inches
4. 3 ply wood, cut in sheets 10×8
5. Fine nails
6. Hinges
7. Paper.

28th June 1935. Warm & very damp, with misty rain
off & on, in evening to sleep - 1 place: no rain
9.30 till 10 PM. Valley from Kilgarra to Murlagh
Bridge & between Wood, etc., above Murlagh Bridge. All to
SW.

Bombus agrorum 1 pair ♂♂ & ♀♀, mostly at Foylon.

B. terrestris 1 ♀ at Foylon.

B. jonellus 1 fresh looking ♀ seen.

Andrena proxima ♂♂ & ♀♀ 2 - heard at Foylon etc.

A. rufipes ♂♂ & ♀♀, fresh, common, in pairs at 2.

A. subopaca 1 ♂ in pair at 2.

A. fucata 1 ♂ at 2, in pair.

Habita lucorum ♂♂ at 2. *H. posticata* 1 ♂ at 2 in pair.

Merodon genivittatus 1 ♀ swept 3 roadsides (1 dead).

Odynerus pictus 1 ♂, var. with a little to do, at 1 & 2.

Chalcid ♂♂ & ♀♀ 1 ♂ & ♀♀ at 1. *Chalcid* = 1.

Chalcid ♂♂ & ♀♀ (1 ♂ & ♀♀) at 1, common at 2.

C. chrysocoma 1 ♂ at 2.

C. thersites ♂♂ & ♀♀ at 1. *C. thersites* = 1.

Tenthredo ♂♂ & ♀♀ at 1. *Tenthredo* = 1.

Tenthredo ♂♂ & ♀♀ at 1. *Tenthredo* = 1.

Tenthredo ♂♂ & ♀♀ at 1. *Tenthredo* = 1.

Tenthredo ♂♂ & ♀♀ at 1. *Tenthredo* = 1.

Tenthredo ♂♂ & ♀♀ at 1. *Tenthredo* = 1.

28/6/35 AM. Cont. Murlagh Bridge, etc., SW. cont.
Chalcid ♂♂ & ♀♀ at 1 & 2.
Chalcid ♂♂ & ♀♀ at 1 & 2.
Chalcid ♂♂ & ♀♀ at 1 & 2.
Chalcid ♂♂ & ♀♀ at 1 & 2.

Euphranta connexa (1 ♂ & ♀♀) at 1 & 2.

Odynerus ♂♂ & ♀♀ at 1 & 2.

Odynerus ♂♂ & ♀♀ at 1 & 2.

Odynerus ♂♂ & ♀♀ at 1 & 2.

Odynerus ♂♂ & ♀♀ at 1 & 2.

28/6/35, afternoon 3.30 till 7.0 PM. Dull, but light & cool.

Then some sun, but practically no insect work.

Rode to Broughy Bridge & collected along roadside

between that and Skerrin Bridge, on E. bank of The

Sound.

Bombus lucorum 1 pair ♂♂ & ♀♀, mostly at Foylon.

B. jonellus ♂♂ & ♀♀ numerous, at Foylon & seen at Foylon.

B. agrorum ♂♂ & ♀♀, mainly at Foylon.

Andrena rufipes 1 pair ♂♂ & ♀♀ at Foylon.

6

29/6/35 AM cont. Muddy Bridge, about 1/2 mi. S. of SK road.

Formica ruginosa 1 ♀ at 1, *F. diluviana* 1 ♀ at 1

F. ruginosa 1 ♀ at 2, *F. pennsylvanica* 1 ♀ at 2

Odontaspis 1 ♀ at 1, *O. ruficornis* 1 ♀ at 1

Aspilota 1 ♀ at 1, *A. ruficornis* 1 ♀ at 1, *A. ruficornis* 1 ♀ at 1

A. ruficornis 1 ♀ at 1, *A. ruficornis* 1 ♀ at 1

Belus 1 ♀ at 1, *B. ruficornis* 1 ♀ at 1

Belus 1 ♀ at 1, *B. ruficornis* 1 ♀ at 1

B. ruficornis 1 ♀ at 1, *B. ruficornis* 1 ♀ at 1

B. ruficornis 1 ♀ at 1, *B. ruficornis* 1 ♀ at 1

B. ruficornis 1 ♀ at 1, *B. ruficornis* 1 ♀ at 1

B. ruficornis 1 ♀ at 1, *B. ruficornis* 1 ♀ at 1

Atalapha 1 ♀ at 1, *Atalapha* 1 ♀ at 1

Atalapha 1 ♀ at 1, *Atalapha* 1 ♀ at 1

Atalapha 1 ♀ at 1, *Atalapha* 1 ♀ at 1

Pimpla 1 ♀ at 1, *Pimpla* 1 ♀ at 1

7

29/6/35 AM. cont. Muddy Bridge, at cont.

Microgaster 1 ♀ at 1, *Microgaster* 1 ♀ at 1

Microgaster 1 ♀ at 1, *Microgaster* 1 ♀ at 1

Stenobothrus 1 ♀ at 1, *Stenobothrus* 1 ♀ at 1

Aspilota 1 ♀ at 1, *Aspilota* 1 ♀ at 1

Aspilota 1 ♀ at 1, *Aspilota* 1 ♀ at 1

29th June 1935, afternoon. Wind now more S., nearly all sunny, rain now plentiful. 4.0 till 7.0 PM.

Sliding River valley, S. of Kilgerran, Co. SK.

Most of roadside about 1/2 mile above Sliding Bridge.

Oak at end of river, on left bank, just above

Wood, roadside, just above Sliding Bridge, 7 PM. 2.

[No *Bombus* seen]

Andrena 1 ♀ at 1, *Andrena* 1 ♀ at 1

Meloboris 1 ♀ at 1, *Meloboris* 1 ♀ at 1

29.6.35, aft. cont. Slaking Valley, SK, cont.
Crabro pulvipes & *varius*, ♂♂, both at 2; *varius* at 3.
Crabro 1 specimen, ♂♂ at oak & gal. post at 2.

Attholus *undatus* 1♀, ♂♂, in wood at 1.
Tenthredin *varius*, ♂♂ & black ♀ in oak at 2.
Tenthredin *at*, ♀ in oak at 2.

Crabro 1000 swept at 1.
 Swept at 1 & 2, swept at 1.
Pimpla *ultrapala* ♀ seen in oak at 2. *P. altissima*, var. *ultrapala* ♀
Pimpla *ultrapala* many ♂♂ at oak at 2: der. Teg.
P. suberata (pil. f. 7 C.) ♂♂ moving round top of oak, but
 only on some with oak & in canopy: der. Teg. oak.

Theridion 4000 some reddish, some very black at 2.

Bombus *melanellus* ♂♂ on oak at 2.
Camponotus red & black, on oak at 2.
 " smaller 1 also at 2.
Lasius *flavus* 1 at 2.
Myrmica 1000 oak at 2.
Lasius *crassus* & *Bombus* *terrestris* ♂♂ only, abundant
 in wood at 1.
Upomatus 2 at 1 & 2.

29.6.35 aft. cont. Slaking Valley, SK, cont.
 Open 1 at 2. *Euphorbia* *pallens* ♂♂

Blattella *germanica* = *Blattella* *germanica* Sord. fide J. J. Perkins, in litt. dated 6.9.1935.
Blattella *germanica* - 1 taken together! - swept finally at 1.
 ♂♂ *Blattella*, black, with a great yellow black in region
 of the scutellum, legs short & stout, black at base, antennae
 beyond joint: one swept in wood at 1.

30th June 1935. AM. Low cloud to first day, with
 north-wind breeze: almost all morning.
 Wood on left bank of Slaking R. (at SW. end of Slaking
 Bridge, S. of Helgoland, Co. SK. 9.30 till 1.30

Bombus *agrorum* only a few, mostly ♂♂ seen.
B. lucorum many ♀♀ & a few ♂♂ seen.
Psithyrus *luctuosus* 2♂♂ 1 taken, 1 seen, 1 seen.
Andrena *pubescens* ♂♂ & ♀♀. *A. caerulea* abundant.
A. ulophylla ♀♀.
A. albicans 1♀, pollen-laden. *A. subopaca* ♀♀ seen.
Heliopsis *rubicundus*, *albifrons*, *caerulea* & *lucorum* ♀♀.
Homocidus *caeruleus* several seen.
H. bellus 1 seen. *H. uliginosus* 100. *H. parvulus* 1000.
Vespa *rufa* & *vulgaris*, several ♀♀.
Odynerus *punctatus* 100. *O. bipunctatus* ♂♂ & ♀♀.

30.6.35 AM cont. Slaty Wood, SW cont.

Gryllus sylvestris ♀♀

Hyemsa rufipes ♂♂ & ♀♀

Crabro abjectum ♂♂, 1 ♀ seen

C. leucostomus a few ♀ & ♂

C. varius ♂♂ abundant

C. rufipes ♂♂, 1 ♀, on oak, on the tree trunk, on the ground

C. tibialis ♂♂ & ♀♀

Salix viminalis ♂ & ♀

Pimpla rufipes ♂♂ & ♀♀

Tenthredinella lutea 1 ♂ & ♀ seen

Phaenocarpa punctipennis 1 ♀ on birch

Atalapha cf. *abundans* 1 ♂ & ♀ seen

Lucania ♂♂ 1 ♀ on alder

Formica ruginodis 1 ♂ & ♀ on stick, 1 ♂ on stump

DEPARTMENT OF ENTOMOLOGY,

With compliments from

2. *Stenomylognathus devon* Davis
Studland Heath
Dover

Captain C Diver,

40 Pembroke Square,

Kensington, \ \

London.W.8.

Your cards and letter sent separately

CD
19.6.36

30.6.35. on the side of the
bank of the river, 1 ♂
and 1 ♀, 1 ♂, 1 ♀
at Roding, Essex
19.6.36

With compliments from

2. *Stenoglossus devoti* Davis
Studland Heath
Dorset

Captain C Diver,

40 Pembroke Square,

Kensington,

London.W.8.

Your cards and letter sent separately

CD
19.6.36



DEPARTMENT OF ENTOMOLOGY,
BRITISH MUSEUM (NATURAL HISTORY),



CROMWELL ROAD,

LONDON, S.W.7.

Telephone:
KENSINGTON 6323.

Telegrams:
NATHISMUS,
SOUTHKENS, LONDON.

29.11.36

Dear Mr. Helfox.

Your ants are -

A.(D.) niger L. var alieno-niger For., &

A.(E.) umbratus Nyl var. mixto-umbratus For.

the second has the high scale of umbratus
darker colour of mixtus + some small
erect hairs on the tibiae etc.
These intermediate forms are very irritating
see Brit Ants (2nd Edn) p. 293-4.

Yes the new one is very exciting
I am desirous of it & hope to go after
it at Whitstable

Yours sincerely
Horace Donisthorpe

Brachy lapa luc. yg. jom. hort. mae. dorkan.

Psithyrus barb. dist. camp.

Condroma alb. ang. fucata. sub. vernal. minut. 1/2 vitana. geyn.

A. tarsata, humil., denticulata

Habitus sub. calc. alb. frag. pumet. tum. luc. & nit. 1/2

H. lativentris

Sphec. mon. dir. hyal. aff.

Nomada marit. sup. hill. flavo. obt. fabriciana rufipes

Hylocus min. confusus

Colletes mont. succincta

Megachile villosa. semivittata

Cochlidium 2 aff?

List of Aculeates taken at
Glengarriff, & June-July 1935
by P.W.S.

44 49?

Spilomena trog.

Pemphredon shuck. 1 Lept. tyntrii

Panurginus pallipes

Mellinus. Geyn. Nympha.

Agonia variegata

Pompilus nig. (red aff.)

Selin. fusc. notat. exaltata

Ceraptes mae.

Odynerus 'long. 'tun. pnt. 3-fec. 3-mag. sinuatus.

Vespa vulg. ruf. 1/2. nov. ant.

Chrysus ignita

Formica fusca, fuscicornis

Lasius niger, flavus, fulv. 1/2. m. h. 1/2.

Myrmica nig. luv. scab. schenck.

Leptothorax

Crabro chryst. vagus. dim. 4-mac. rufus, palm. tibialis, capitulum. pelt. cav. atrata. clausa.

Lindonia albicollis

50

Bay View
Glenarriff
June 12/1935

Dear Sir:

Your room shall be reserved for you
from July 12th until 29th. Your food will be plain
& the very best. Your room large & very nice
(And dead insects won't hurt). Your dinner can be
at ~~the~~ 1.30^{pm} and Supper in the evening whatever
you desire. I know you will be most comfortable.

Yours
(Miss) M. E. Sullivan

30. 6. 35 AM cont. Slaty Wood, SW cont.

Longitarsus longitarsis ♀♀
Hyssopus *apicatus* ♂♂ & ♀♀
Crabro *elypterus* ♂♂, 1 ♀ seen
C. tenuis a few ♀ & ♂
C. varius too abundant.
C. septentrionalis 2 ♂♂
C. septentrionalis ♂♂, on road, on all the vegetation between
C. thick ♂ & ♀.

Salix reticulata ♂ & ♀
Pimpla ruficornis ♂ & ♀ common

Teuchocalla lucida 1 ♂ & ♀ seen.
Formica pusilla? 1 ♀ on birch.
Attholus of *stans* ♂: none taken.
Leucospa *ovata* 1 ♀ on alder.

Formica ruginosa: 1 ♂ at thick, by stump.

30. 6. 35 AM. cont. Slaty Wood, SW cont.

Chalcid 1 ♂
Chalcid *quadripunctatus* 1 ♂
Chalcid 2 ♂
Chalcid (4 *reticulatus*) ♂♂, all the first legs.

Leucospa *ovata* (1 *ovata* ♂)
Pimpla flavicornis 1 ♂ common. *Pimpla* ♂, 1 ♂
P. ruficornis 2 ♂♂ seen.
Pimpla 1 ♂
Phaenocarpa *tuberosa* 1 ♂.
Leucospa *ruficornis*? 1 ♀
Proctos 1 ♂ & ♀. 1 *ovata* ♂ seen.
Tryphon 1 ♂, same as taken on the birch.

Camptoplyctus, about a dozen, including *Pezomachus*

Acromyza 1 ♀, small.

30. 6. 35. on the 2nd of June
 took *Agrocyba* *pusilla* 1 ♀.
 ♂ & ♀ of *Attholus* ♂, 2 ♂♂
 ♂ & ♀ of *Proctos* ♂
 ♂ & ♀ of *Leucospa* ♂
 ♂ & ♀ of *Tryphon* ♂
 ♂ & ♀ of *Camptoplyctus* ♂
 ♂ & ♀ of *Acromyza* ♂

30.5.35 AM cont. Slaking Wood, 2K cont.

Euphorbia pulchella 2 ♀♀ *Triclistus* 1 ♂
Mesochorus marginator ? 1 ♂, 1 ♀, small & 1 ♂, 432 ♂♀
Gnamptoderus pumilio 1 ♀

Dacnusa cf. *laticincta* 1 ♂, small ♂, 1 ♂, 1 ♂

D. p. laticincta ? 1 ♂, small

Aspilota (Synaldis) *longicornis* 1 ♂, 1 ♂, 1 ♂

10.11.35, 10.11.35

Slaking 2K
 6.30 10.11.35
 30.5.35

! *Stenopoda annulata* 1 ♂, 1 ♂ at oak stump

30.6.35, AM. Slaking valley, above Slaking Bridge, 1

on *Juniperus* *oxycedrus*. All sunny, but not too hot.

River bank, about 1 mile above bridge.

Oak & willow on left bank of river just above — school = 2.

Bombus agrorum & *lucorum* 1 ♀, 1 ♀

Andrena scitanea & *facialis* 1 ♂, 1 ♀

Homocidus ruficornis 1 ♂, 1 ♀

Meloboris *arvensis* 1 ♂, 1 ♀

Exochus *varius*, *dimidiatus*

Pimpla nigricornis 1 ♂, 1 ♀

Odynerus *truncatus* 1 ♂, 1 ♀

30.6.35 PM cont. Slaking valley, 2K cont.

Chimera sp. ? seen for some time on top of twig of an alder tree at 1 but quite out of reach: possibly 1 ♂ to *concolor*, as it certainly had yellow on abdomen.

Phygadeuon *viridis* 1 ♀

Stenopoda *laticincta* 1 ♀

Some of these Alders were *Alnus incana*!

Mesochorus ? 1 ♂, 1 ♀ — cf. *Mesochorus* *viridis* 1

Cryptus ? 1 ♀ — cf. *Elidictus* *arvensis* ?

Centistes *divinator* 1 ♂

Pimpla *clayana*, 1 ♂, 1 ♀ at 2. [*P. clator* 1 ♀] 1 ♂ at 2.

P. depuncta ? 1 ♀ on alder at 1. *P. rufipes* 1 ♂ at 2.

P. rufipes 1 ♂, 1 ♀ at 2 on oak.

Polyblastus *fulvipes* 1 ♂ at 2 on oak & willow.

Triclistus *glabellus* 1 on alder at 1.

Schizotoma *capitata* 1 ♂, 1 ♀ at 1 on alder.

! Hornet clearing, both at 2, watched for some time but missed?

Small black *Aspilota*, 1 ♂, 1 ♀ at 2.

2nd July 1935. Fine day with SE & SW gale: otherwise fog.

In morning rode to Kilgarra & Slieve Donard. The reservoir being left there on the way back to Keshmarr via Letter, Rungby, Slieve Donard & Slieve Donard, collecting a few insects & birds near Kilgarra & Ardilly.

In afternoon collected by sweeping under trees, picking insects off sides of leaves of trees etc. around Donaghadee.

Very few insects flying, except *Sigalphus* etc.

10.5 till 3.30 AM.

- Kilgarra district, Co. SK. 11.30-12.30 AM.
Bombus lucorum, *agrorum* & *terrestris* (1♂) seen.
Hebe? 100 (1000)
Leucophaea cf. *lucorum* 100
Cryptopimpla variabilis? 100
Apanteles 2000

Because of the great abundance of rooks under trees W. of Kilgarra on Keshmarr Rd.

This afternoon called by me "longitudinalis" as described by Nixon in his paper in 1937. A.W.S.

22.35 afternoon. Fields, plantation, scrub etc. on South of Donaghadee, Co. SK.

- Bombus lucorum* & *agrorum* seen
B. lucorum 1♂ on flower of *Yucca*. *Retusaria* *terrestris* 100. [No other *terrestris* seen.]
Tenthredinella *lucorum* 1♂ seen. [No other *lucorum* seen.]

Sigalphus (= *fulvipes*) 1♂ swept under trees near wall. S. of walling of 100 at top of bank of trees & on walling of 100 under trees: one swept of it at top of one bank say 25 & 30. From all seen of on the 1♂.

Dysentoma planiceps 1♂ on under side of stone leaf near the old castle seen at 3.30 PM.

Caenoloma buccata 1♀ on leaf at about 5 PM. Seen to fly on to leaf.

✓ Several returned to me on 11/9/36 as *longitudinalis* Nixon with next A.W.S.

Caenoloma seen on *Yucca* (longitudinalis?)
 Seen on *Yucca* with long *Yucca* (longitudinalis?)
 Seen on *Yucca*, 2 the *Yucca*, with red & white *Yucca*.
 Quite a number to open of *Yucca*, in *Yucca* leaf, with *Yucca* to *Yucca* for comparison.

Apanteles 1000 = 1♂ of 4-5 + 100 of 1000?

Gyracampa uliginosa 100.

3.7.35 cont. Dunkerron, SK. cont.

Longiradialis 8 } *Longiradialis*! some 24 of 1st
= *Longiradialis*! A.W.S. 9.11.36. - This returned 9.11.36 by Nixon labelled *arvensis*.

D. fulvipes 1 ♀
D. sp? 2000, 2

Phaenocarpa confinis 1 ♀

Trachypoda curvica 2000, 1 ♀

Alysia inconspicua 2 large ♀

C. confinis 1 small ♀

Bombus terrestris 1 large ♀

Blacus 1 ♀ on box, 1 ♀

Rhyssalus, red pleurae, 2000?

Microctonus 1 ♀ 1 ♀ *Apanteles*

Chalcid 2000, 1 ♀

Bombus (near *polyphus*) 1 ♀

Cryptid 1 small ♂ + 1 small ♂, small ♂, small ♂

H. fulva 2 small ♂, small ♂, small ♂

37.35. 4000
Bombus & Rhyssalus
Blacus

1 ♀ (name of as found by H.C. 11.11.36) 1 ♀ (name of as found by H.C. 11.11.36)

3.7.35 cont. Dunkerron, SK., cont.

Cryptid 1 ♀, *Cryptid* 1 ♀

Plectiscus 2000, 1 ♀ *Apanteles* 1 ♀

Helictes 1 ♂ *Diapriid* 2 ♂ 1 ♂, yellow & red pleurae.

Promethes 1 ♂ *Homocidus* 1 ♂ *Homocidus* 1 ♂ *Homocidus* 1 ♂

Tryphon 1 ♂ *Stenomacrus* 1 ♂

Trachypoda 1 ♂

Trachypoda 1 ♂ *Trachypoda* 1 ♂

Trachypoda 1 ♂ *Trachypoda* 1 ♂ 1 ♂ of *Stenomacrus*

4th July 1935 Drizzle & S.W. wind continue. Not much work done.

Not much work done in early afternoon though a 'blue hole' in sky.

Though drizzle now really stopped. Too hot & much insect work done.

12 till 1.30. Went to garden & some behind stable = 1000

2.30 till 4.20 worked garden & odd bits of ground = 1000

Bombus lapidarius 1 ♀ seen in garden (11.11.36) 1 ♀ seen in garden

B. lucorum 1 ♀ in garden (12.11.36) 1 ♀ seen in garden

B. agrorum 1 ♂ seen in garden

B. lucorum 1 ♂ on ground. *Stenomacrus* 1 ♂ in garden (12.11.36), 1 ♀ in garden

Trachypoda 1 ♂ in garden & 1 ♀ seen in garden

Andrena 1 ♂ in garden, some in garden

H. punctatissima 1 ♀ seen in garden

H. pygmaea 1 ♀ seen in garden, *H. lucorum* 1 ♀ in garden

6.7.35 Very hot & clear in morning, dull, drizzle
after 1 PM. All morning & after 1 PM, little rain. 5.30
Sharn River & Drumacree Bridge, Co. Wick.
10.30 am till 3.30 PM.

Wood about 2 miles from Keshmonee river bridge at
River bank of Sharn River, on 19.33 & 19.34, just above
small wood about 2 miles below Drumacree bridge at 3.
Mosses, ^{in 4th inst.} ~~in 4th inst.~~ valley at Drumacree bridge at 3.
Right bank of river at Drumacree bridge at 4.

Bombus agrorum & *lucorum*, only in the sun all day.
Andrena humilis ♀♀ nesting in path on summit of moor
at 3 & on lower by river below bridge at 4.
A. tarsata ♂♂ & ♀♀ at 2.
A. caesia a few ♂♂ at 2, ♂♂ & ♀♀ common at 3.
A. pygmaea ♂♂ & ♀♀ at 3.

Habitus rubicundus ♂♂ out at 2, ♀♀ abundant
at 2, 3 & 4.

H. calceatus, *albifrons*, *fugax* & *nitidus* probably seen
H. leucopus ♀♀ at 2 & 3. ^{at 2 & 3.}

6.7.35 cont. Sharn River, SK. cont.
Sphindus ~~in 4th inst.~~ ♀♀ at 2. *S. pygmaea* ♀♀ at 3.

Hyloicus ~~in 4th inst.~~ only (♀) seen, the 1st seen at 4.

[Verbs: none seen all day]
Odynerus ~~in 4th inst.~~ ♀ at 4. *Chrysis ignita* ♂ at 2.
Pimpla ~~in 4th inst.~~ ♂♂ seen at 3.
Exochus ~~in 4th inst.~~ ♂♂ at 3.
Silene ~~in 4th inst.~~ ♂♂ seen on bank at 3.

Euclyptus ~~in 4th inst.~~ ♂♂ & ♀♀ abundant & nesting in
bushes full of light point of moor at 3
close to Glenageary road: ♀♀ strong, of minute
light green hemiptera.
Second inst. & first 3rd inst. seen.

Crabro ~~in 4th inst.~~ *fulvipes* 1 ♂ taken & 1 ♀ seen at 2.
C. rufus ♂♂ & ♀♀ abundant at 2 & 3.
C. dimidiatus ? seen. *C. leucostomus* ♀♀ at 2 & 3.

Pimpla ~~in 4th inst.~~ *shuckardi* 1 ♂ at 2 & 3.
Meloidae ~~in 4th inst.~~ *crucians* ♂♂ at 3.
Lesius ~~in 4th inst.~~ *polymerus* ♀♀ on small trees at 2.

6.7.35 cont. Shere River, SK, cont.
 Colletes of the only rough seen except (none taken!)
 Apis mellifera 2♂♂ on eldons at 2.

Diadema 2♂ 1♀

Platylabus nitidus 10♂

Meloboris 1♀

Gammarus pulex 3♂

Hemiteles ruficornis 1♂ 1♂ swept at 1.

Rhyssalus of ♂ not flowering black.

Oxytelus stans 2♂♂ on dry bank by side road to Dunsbury, 1♂♂

Mesochorus collaris 1♀

Strangalia curvata, 1♀ at 2, 2♂♂ + 1♀♀ in stump
 at 3. I think the stump was felled & most decayed;
 probably of tree cut during the war, i.e. nearly 20 years.

7th July, 1935. A blazing day, sun very strong, very little
 with strong E-SE wind.

Tric. mod. the ground of garden, fields &c, at Dunsbury
 Castle, Co. SK, but very few insects seen & hardly any
 swept except Diadema. Spent most of the day
 in sun in clearing off bracken.

Strangalia curvata, several ♂♂ & ♀♀ in stump
 by the stream near castle, S. of the castle.

Bombus lapidarius 1♂ seen, 2♂♂ & 1♀♀ seen.

B. of a fresh-looking ♀ which appeared to be *lapidarius*
 seen in lawn, but not seen properly.

Andrena fucata ♂ in garden

[no Myiagrus seen at all!]

Xylocopa arbutus 1♀ with very dark wings in "wood"

Odynerus parietarius 2♂♂ in garden. O. tripunctatus

O. minutus 1♂ at head of "wood" (1♂♂ black & green)

Crabro dimidiatus ♂♂ at head of "wood"

[not a Crabro seen in garden & no wasps anywhere]

Sphex ruficornis ♂♂ at stump near stream.

Chrysis ignita seen at stump also

One of the two insects
 found on 6.7.35
 which
 AWS. 24/7/36

19th July 1935. I shall bring out diggs for 100
I dig from 12 till 12.15, the digger goes
with my bag, etc. in evening.

Mr. Porter drove me to Parkhurst & picked
me up on his return from in fact, which was from
10-30 till 3-30 PM.

Oak-hills wood along old road to Saxon, part
of derelict estate of Hollywood, Co. SK.

Bombus agrorum 999 present
B. lucorum one or two 999 & 999 m.

Verpa rupe, vulpin & cylindrica seen about rain
of Asker cottage, 7.1 till Hollywood, Derrygon,
a very old house in the district in 1918-1923.
H. rubra during 1918-1923.

Myrmica ruginodis & Lasius niger abundant.

Teuthid. sp. variegata. 1 black & 1 greyish.

Small Heptamelus rubellus 1 ♀ taken under front door.

Encyrtidae 1 ♀

Phygadeuonidae 1 ♂, 1 ♀ found 2000.

Pezomachus 1 ♂, 1 ♀, 1 ♂, 1 ♀.

Microgaster 1 ♂, 1 ♀, 1 ♂, 1 ♀.

Triclistus 1 ♂, 1 ♀, 1 ♂, 1 ♀.

Stenomacrus 4 = S. ruficornis 2 with dark legs, S. ruficornis 2 ♀, S. pallipes 2 ♀, 1 ♂, with pale
black crani, etc.

Stenomacrus 4 = S. ruficornis 2 with dark legs, S. ruficornis 2 ♀, S. pallipes 2 ♀, 1 ♂, with pale
black crani, etc.

Stenomacrus 4 = S. ruficornis 2 with dark legs, S. ruficornis 2 ♀, S. pallipes 2 ♀, 1 ♂, with pale
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black crani, etc.

Stenomacrus 4 = S. ruficornis 2 with dark legs, S. ruficornis 2 ♀, S. pallipes 2 ♀, 1 ♂, with pale
black crani, etc.

9.7.35 cont. Hollywood, near Parkhurst, SK. 10.1

Swarm of *Formica* in 10.1. *Formica* sp. 10.1. 10.1.

Apanteles sp. 10.1. 10.1. 10.1.

Metacoelus sp. 10.1. 10.1. 10.1.

Centistes sp. 10.1. 10.1. 10.1.

Leptocryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Chorebus sp. 10.1. 10.1. 10.1.

Praon sp. 10.1. 10.1. 10.1.

Chalcid sp. 10.1. 10.1. 10.1.

Chalcid sp. 10.1. 10.1. 10.1.

Chalcid sp. 10.1. 10.1. 10.1.

Chalcid sp. 10.1. 10.1. 10.1.

9.7.35, evening. Lane behind stable, Derrygon, Co. SK.

7.0 till 7.30 PM. During my own with internet before being rain.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

Cryptus sp. 10.1. 10.1. 10.1.

10th July 1925. A fine day for insects, with heavy clouds, but sun at times, a S.W. wind, after a very wet night.

Rode to River Blackwater & went up road on right bank for some miles, collected at intervals. River road at various places, the deer the river to river road, C. S.K. 10.30 AM to 3.30 PM.

Bombus agrorum & *terrestris* & very few seen.

Andrena *crucians* & *sericeipes* very common.

Halictus confusus, *fulvus*, & *lucorum* & seen.

Notiophila phaeoptera 1 pair & at various places.

D. stramonii 1 pair & by river.

Megachile willughbiella & carrying piece of bird trap taken near quarry just S. of Blackwater Bridge on main road.

Crabro varians - hundreds everywhere, some very small.

C. 18-maculatus quite common in several places & resting on top of ditch by roadside. River road - sweepings & seeds from plants on top of stone dykes: some with small black abd.

C. dimidiatus ♂♂, one all black abd. taken.

C. nigrita ♂♂ 1 ♂♂ abundant & lots of *varians* on bog. When river in close flood, about 2 miles^(?) above main road.

10.7.32 cont. R. Blackwater, S.K. cont.

Othysia trifasciata common, mostly at toll.

Vespa rufa ♂♂ seen.

Abia sericea 1 ♂.

Small *megachile* ♂♂ on bird = *Phyllobon microcephala* ♂ (file Boreas)

Salix sericea ♂♂ at bank of stream, leafy (17)

S. rufa ♂♂ ♂♂

Melanimmon marginator ? 1 ♂.

Ichneumon gracilicornis 1 ♂.

Habrocryptus alternatus 1 ♂.

Cryptus 2 ♂♂ =

Pimpla elegans 1 ♀. *P. detrita* group 1 ♂ =

Homocidus elegans 1 ♂.

Leptocryptus ?? 1 ♂ =

Sagittaria sp. 1 very small ♂ = *S.*

Longitarsus ?? 3 ♂♂, 1 ♂♂, 1 ♂♂ =

Chrysa sp. ? 1 ♂ (small) *Helictes* sp. 1 ♂ (small)

10.7.35 cont. R. Blackwell, Co. SK.
Agathis anglica? 2000, 1♀. *Phages* 1000. 1♂, head & thorax red marked!
Chelonus parvicornis? 100.
Aparite *infinis*? 2000, 1♀. *Microgaster* 1♀.
Pentapleura pumilio? 1♀.
Pent. 1

10.7.35, 3-30 till 4.0 PM.

On way home turned down to sea at Rossa common (pronounced "RUSS'CUSSANE") & searched sea-ward with no result, but saw small hymenoptera swept off rocks &c in zone of *Carex* entrance, below highest fringe of dead sea-ward.
Pentapleura pumilio 1000 seen.

Euclyptus? 1 smallish, black, ♂.
Hemiteles? 11 cards.

10.7.35, aft. cont. Coast at Rossa common, Co. SK.

Biotres 100 with many slender =
Dacnusa areolaris common, 1000, 1♀ kept. 2. of pale head *stigma* 1♀.
Pentapleura pumilio ♀♀ abundant.
Aphaenota cyphalotes ♀♀ common.
Aphidius 1.
Chalcid.

11th July 1935. Very hot sun all day, with fresh S.W. breeze. Few insects about shore down to sea - not seen - rather than on way, the previous afternoon.

Coast, at & west of, Rossa common, Drumahaire, Co. SK.
 12 noon till 3.30 PM. First insects swept in fields bordering shore: some taken with sea-ward on eroded alluvium at mouth of 2nd creek west of the quay.

Bombus ♂ & *lucorum* ♀♀ seen.
Vespa rufa ♀♀ seen.
Andrena *costalis* ♂♂ & ♀♀. *Andrena* *toruli* 100.
Craspedus 100 maculatus & *varius* common on boulder - clay sweep along coast.

Odynerus *trifurcatus* 100.
Anteon ♂. 100. *Tenthredo* *arenata* 100 (Station the first seen on this trip to Kerry!).

40

11.7.35 cont. Coast - at Ross corner, S.W. cont.

Dicaelotus 1 ♀ =
Euclyptus 2 ♂♂, carded, 1 pinned. *Pyrocryptus* like ♀, dull head segment.
Hemiteles var, small sp. on shore, 2 ♂♂, 1 ♀, none carded.
 " ? 3 ♂♂, 1 ♀ carded. *Phygadeuon* ? 1 pinned & 3 ♂♂ on no card.

Glypta nigricornis 1 fine ♀. Tryphonid. 1 ♂ =
Sagittaria 1 ♂ - *S. erythraea*? *Pyrocryptus*? 1 ♂ =
Meteorus sp. 1 small ♀, black cone.
Tryphon pallidus, 2 ♂♂, large, on no card. *Brachymeria* 2 ♂♂, antennae, none carded.
Aphidius cephalotes ♂♂ & ♀♀, small, seen, of variable size. *Aphidius* sp. 1 ♂.
Trichopria? 1 ♂ & ♀ (on no card), under sea weed. *Dacnusa* small ♂, thick legs, 22 joints antennae.
Chalcid in stone.

12th July 1935. Another Hazy day: no cloud; with strong fresh S.W. breeze.

Took bus to tunnel & then rode down into Glynariff, Co. WC. Collected a few minutes by ruined cottage near where old road joins present road, about 3 miles from Glynariff. Her tools, saws, Bumble bees & Vespes swarms ♀♀.
Phygadeuon *lucorum* ♂
Crabro 14. *maculatus* & *rupestris* common.
Andrena *rustica* ♂♂ & ♀
Thymus *laevigatus*: 1 ♀ kept.

(41)

12.7.35. Scrub N. of Glynariff, Co. WC. cont.

Halictus *frugorum* & *colerdae* & *rubicundus* ♀♀ seen.
Sphecius *affinis* 1 ♀ seen.
Althia *bioculata* 1 ♀. *Pachyprotasis* *antennalis* 1 ♀.
Pimpla *musca* ?? 1 ♂♂ (carded) (1 ♂ of M. J.P.P.)
Triclistus *longicauda*? 1. *Hemiteles* *obscuripes* 1 ♂.

Mesochorus *globatus*? 1 ♂. *Chelonus*
Apanteles, black ♀, seen with nest.
Chelonus *conjugens* ♀ & *conjugens* *affinis* ♀ with 1 egg seen.

Evening, 12.7.35. A few insects swept just above high tide mark below Bay View Hotel, Glynariff, Co. WC.
Bombus sp. 4 ♀♀ seen.

Phygadeuon? 4 ♂♂, 1 ♀ swept, just above tide level on beach.
Hemiteles? 1 ♂ =
Dacnusa 1 ♂ sp. *rupestris* Marshall.

Phaenocarpa? 1 ♀ dead & fastened to leaf by frozen growth, in wood.
 [By path from sea to Bay View Hotel grows *Juniperus* *horizontalis* & another ridge which I believe is *Juniperus* *horizontalis*: the road to about 100 yards up the road from the sea.]

Some also taken by J. E. Hyman on 12/1/35; as follows.

A. coitani ♀♀

H. villosula ♀♀. H. nitidiuscula 1 ♂/1 ♀ in afternoon/J.E.F.

44.

14th Feb 1935 cont. "Rock" garden, cont.*Cratichneumon chrysanthus* ♂♂ & ♀♀, not common.*C. alarius* ♀ in aff. (J.E.F.)*Gorytes mystecus* ♀♀ common in "shot" Burnage
in old garden at 11.0 A.M.*Pompilus nigerrimus* ♂♂ & ♀♀ seen.*Silene rotundifolia* ♂♂ & ♀♀ in extraordinary abundance
in small patch of gravelly soil in rock garden.*S. exaltata* ♂ & ♀ in afternoon (J.E.F.)*Odynerus pectoratorius* ♀. *O. sinuatus* ♀ in aff. (J.E.F.)*Vespa rufa* & *noctigena* ♀♀ in rock garden.*Atthya loana* in rock garden etc.*Salix repens* 1♀. *Abies cuneata*? 1♀*Ichneumon suspiciosus*? & *extremus*? (large ♂ seen taken & released)*Lissonota transversa*? 1♀*Promethes laticarpus* 1♂

45.

14.2.35 cont. "Rock" Garden, cont.

Ichneumon capitatus 1♀*Brachymeria* ? 1♂*Microplitis* 1♂*Ichneumon parvicornis*? 2♂♂, at edge of rock garden.14.7.1935 afternoon. Road of Burnage River valley,
E of Glengriff, G.W.C. 4.0 till 6.30 PM.*Bombus agrorum* & *terrestris* ♀♀ seen.*B. lapidarius* 1♀ seen.*B. pascuorum*? 1♀ seen on heath.*Andrena coarctata* ♀♀ seen.*Halictus rubicundus* ♂♂ & ♀♀ seen.*H. fuscicornis* ♀♀ seen.*Vespa rufa* ♀♀ seen.*Agonia variegata* 1♂ taken on forest path post.*Salix rotundifolia* 1♀ on coast rock.*Pompilus nigerrimus* ♂♂ & ♀♀ seen on ditch.

14/7/35 aft. cont. Barony R. valley, G. WC, cont.
Odynerus tripunctatus 2♂♂, 1♀. [*O. peritatus*? at same place]
Chrysis ignita 1 seen on stone wall.
Crabro varius & *Chrysanthus* seen.
Mellicope common? ♂♂ common.

Salix repens 1 ♂ - 1 ♀
Chelonea lineolata 1 ♂ - 1 ♀
Tenthredinid *versata* 1 ♂ & 1 ♀, 1 ♂ & 1 ♀, 1 ♂ & 1 ♀.
Pachypterus *antennata* 1 ♀.
Phyllostoma *repens* 1 ♀.
Chrysomelid ♂, 1 ♂ & 1 ♀, 1 ♂ & 1 ♀, 1 ♂ & 1 ♀.
 beetles 1 ♂ =

Pimpla instigator ♂♂ seen. *P. tarsimellus* 1 ♂ seen.
 [Larva of *transversus* ♀ at stump - Rock Hotel avenue.]
Phytodietus ♀.
Zosterophorus *repens* ♂.
Carphidius 1 ♂. *Chelonea* 1 ♂.
Chelonea 1 ♂.
Salix repens 1 ♂.

14.7.35 aft. cont. Barony R. cont.
Carphidius 1 ♂, 1 ♀ (checked) =

Bracon fulvipes 1 ♀. *B. medialis* 1 ♀.
 B.

Chelonea parvicornis ♂♂ "seen" on bank of River *repens*
 & later at other place: 1 ♂ & 1 ♀, 1 ♂ & 1 ♀.
Chelonea *decorata* 1 ♂ (got? seen taken).
Chrysomelid *rufidens*? 1 ♂ at other place.

Gyrinus *repens* 2 ♂♂ (only one labelled, 3/1/36!).
G. affinis 1 ♀. *Chelonea* *conjugens* 1 ♂.
Chelonea *repens* 1 ♂.
Aphidius *avenae*? 3 ♂♂, 1 ♀, 1 ♂, 1 ♀.
A. scapularis 1 ♂ & 1 ♀, 1 ♂ & 1 ♀. *Proctos* 1.

15th July 1935. Another morning, no clouds, fine
 sun, but day most collecting, practically impossible
 owing to very strong & cool SW breeze. What time
 all over Barony valley.
 At 10.30 went up road west of Barony Bridge, Glengriff, to
 further along road & then took a fine ♀ *Agonota* *repens*
 investigated, (different) the half-finished nest of *Odynerus*.

15.7.35 cont. Glangruff & coast to Bonting, Co. WC.
 Also saw here a *Chrysomelid* sp., but not identified & for
 minutes.

Then rode to Snare Bridge, at mouth of Bonting
 River & collected at both sides of estuary, then
 through Ballyliskey to within 1 1/2 miles of Bonting,
 where turned down lane to coast after passing Bonting
 Lough, but so windy that nothing seen but one *Habrobracon*
 (possibly *calceator*) ♀ & some *Proctos* - none.

Then Snare Bridge, Co. WC., saw on both -
Bombus agrorum & *lucorum* ♀♀ frequent -
B. jonellus 1 ♂ & ♀ certainly seen on bank.
B. lapidarius 1 ♀ by road between Snare & Bonting.
Colletes sp. 1 ♂ & ♀ on bank, near the end
 of road just east of Snare Bridge.

Andrena fucata ♀♀ on bank. *A. miniata* (2 ♂♂) 200.

A. sandracula ♀♀ on wild coast E. of Snare Br.

Habrobracon rubicundus ♀♀ on bank, 1 ♂ & ♀ seen also.

H. punctatorum 1 ♀ on road at Snare Br.

H. villator 1 ♀ was dead. *Sphex moniliator* 1 ♂ & ♀

Colletes notatum ♀♀ seen on bank just W. of Snare Br.

& some ♀♀ on wild coast & *Anthracinus* about 1/2 mile

E. of bridge, but too windy.

[*Nomada fulvicornis*. Green, dark ♀ taken by J.E. Flynn at Rock's Hotel

15.7.35, cont. Snare Bridge & coast via same, WC., cont.
Salix caudata 1 ♀ on wild coast.

[*Proctos* 7 species, seen entering tunnel - none not seen
 above light but found about 1/2 mile E. of Snare Br.]

[*Chrysomelid* variegata ♀ on bank, very much like *Bonting* Br.
Proctos various seen.]

Abia caudata 1 ♀ E. of Snare Bridge on wild coast.

A few *Ichneumon* taken but a few days for much
 generally very strong breeze.

Timonius bellator 1 ♂ & ♀ fresh.

Mesochorus 1 ♀ of *lucorum*?

Cryptus sp. with 1 ♂ & ♀ a small one.

15.7.35. Taken by J.E. Flynn in garden at Rock's Hotel
 Glangruff, WC.

Nomada fulvicornis 1 ♂, dark ♀.

Selandria sericea 1 ♀. *Salix caudata* 1 ♂.

Foenus arvensis 1 ♀.

16.7.35 1935 A dull day with S.W. wind & much rain in the afternoon & slight drizzle; much very dry & most birds were tame, but too few for the method of collecting, & many were scarce.

Wood in domain of Glangariff Lodge, Co. W.C.

Bombus agrorum, *terrestris* & *terrestris* ♀♀ or ♂♂ seen
Colletes *halictus* 10♂ seen
Vespa rufa & *vulgaris* several ♀♀ seen
Exochus *varius* 1 ♀ taken out of oak; very small specimen!
Sphinx *notata* 1 large ♂ caught at base of oak tree.

Selandria morio 10♂.

Antomachus albipennis 10♂ others seen flying round oak tree, but not up & out of nest.

Amphispala quadripunctaria 10♂

Centistes 10♂ *Stenodonta marginalis* 1 ♀ (carded).

Dicaelotus ? 1 ♀ (carded) =

Ephialtes 1 ♀ taken out of oak.

Glypta *varians* 10♂ at oak [brother? taken in morning 17.7.35]

Pimpla *inquinator* ♀ almost certainly the specimen taken out of hole & caught.

Leucospa ♂ taken out in morning of 17.7.35.

16.7.35 cont. Glangariff Lodge woods, cont.

Erochus pictus ? 10♂

Agropyron ? 1 ♀ small.

Arctostichus 2 ♀♀, large =

Sapristus 2 ♂♂ =

Angitia ? 1 ♀ = (carded)

Crucianella ♂ (carded) = *Leptopygus* *harpagum*?

Bracon *patens* ♂ small - drab.

Phaenocarpa *indopator* ♂ at oak.

Chelonus ? 1 ♂ taken out of oak = ? incertae sedis with black legs.

Apanteles ? 1 ♀, striated abd., taken out of oak.

Perilissus *secalis* ?? ♂ small - carded. *Metacoelus* (perhaps) ? 1 ♀.

Microctonus *abdominalis* 1 ♀ taken out of oak.

Alysia *incompta* 1 ♀.

Exochus *varius* abundant: the only large fly seen flying round oak tree.

Chalcid at food stump = *Gyrinus* ? =

Diptera (the black fly on oak) = *Lophoria fasciata* Mg.

(Small *Chalcid* ♂ with longitudinally striped wings = *Peplomysia* *wiedemanni* Lw.)

XB. *Lophoria* is added to the British list by Col. Yerbury from specimens collected at Glangariff. } Both *Diptera* named by E. S. Gahan.

17th July 1935 Another fine day, rising early but some clouds, spell, & strong W-SW wind. But much collecting, difficult on coast & inside the.
 [First day after breakfast returned to work near Glasgow. Large where machine left the previous day but failed to find it. Took a *Linnaea linearis*? & a *Glypta* *crucians* here on road.]

1130 AM till 6.0 PM. Shore & river bank & c, near Snar & Coombhole bridge, E. of Glasgow, Co. W.
 [Road int. & coast just west of Snar Bridge = 1
 Roadside & coast about 1 mile SE. of Snar Bridge = 2
 Sea wall & coast in bay between 1 & 2 = 3
 Boulder along bank below Coombhole Bridge, at back of river, by roadside = 4
 Bank below road joining river just above Coombhole Bridge = 5
 Wood land of river below Coombhole Bridge = 6]

With J. E. Hyman.
Bombus agrorum, *lucorum*, *terrestris*, *terrestris* & *terrestris* 8/8 seen
Andrena caerulea 1 ♂ at 4
A. parvula 2 ♀ in bumble at 1
A. caerulea ♂♂ & ♀♀ at 1, 4 & 5.
A. caerulea 1 ♀ (Hyman) at 6.

17. 7. 35. Snar & Coombhole, W. cont.
^{cont.}
Halictus lativentris 1 ♂ at 1 (Hyman)
H. ruber 1 ♂, *cyaneus*, *cyaneus*, *cyaneus*, *cyaneus* (1), *cyaneus*
 & *leucopus* 2 ♀♀ frequent at 1, 4 & 5. 1 ♂ of *leucopus* at 5.
Sphex 1 ♂, *viridis* 2 ♀♀ at 5.
S. affinis 2 ♀♀ at 4 & 5, ♂ at 4.
S. hylaeus 1 ♂ (Hyman) at 4.
Neomela fabris ♂ at 4. *N. parvula* ♀ (Hyman) at 4.
N. thoracica ♀ at 4.
Colletes montana ♂♂ & ♀♀, rare, at 1 & 2.
Gorytes mystecus at 1, seen to the south of the river.
Crabro veris at 5, also ? at 6.
C. corifera one large ♀ at 4.
Odynerus 3-pointatus at 4 & 5.
D. homocarpus 1 ♀ at 2 (Hyman).
D. ruficornis 1 ♀ at 5.

Myrmica ruginodis ♂♂ at 4, first taken by Hyman.
Lasius (mistaken as *umbellatus*?) at high tide mark at 1.
Leptothorax curvicauda at steps at 6.
Formica ruginodis 1 ♂ seen at 2.
Argemone 1 ♂ at 6 (Hyman).

Donisthorpe, in litt. to A.N.S. dated 29/2/36, names these A. (E.) *umbellatus* Hyl. var. *mini-umbellatus* For.

18/7/35 cont. Glynceff Ledge under, cont.

Tryphon brachycaanthus ♂ & ♀, mtd. on one card!

Aphidius ruficornis? 1 ♂ *Sagittaria* 2 ♂ & ♀ =

Ochroa? 2 ♂ & ♀, 12 ♀ each =

Bracon fulvipes 1 ♂

Apanteles sp. 2 ♂ & ♀, black =

Eg. ♂ & ♀ (same as taken on 18/4) on card, preserved, but wrapped

Macrococcus abdominalis 1 pale ♀

Phaenocarpa ^{concolor} *concolor*? ♀ (at rest?) *M.* *black* ♂? 1 ♀ (stock?)

Opius ruficornis 1 ♂

Bracon areolaris frequent

D. "virens" ♂ & ♀

Aspilota "sp." 1 ♂ & ♀

Proctos common, on all of long antennae.

Proctos long legs, with reddish head & neck, yellow adorned
body taken here in 1924 by J. H. Hallett =

18/7/35. Fine day, with frequent drizzle all day.
After a very wet night & morning, wind, SW & NW, from
12 noon till 4.0 PM.

Garden at Rosh Hotel, Glynceff, Co. WC.
(A very few insects taken under leaves of card & ♀, taken under ground
in the morning, some in old garden, some in old garden, some in old garden)

Proctos sp. & *Proctos* sp. 1 ♂ & ♀ taken together

Vespa sylvestris nest in rock garden in under the ground
& entered

V. ruficornis ♀ & ♀ seen

Centistes? 1 large ♂ with brown & white

Ichneumon ♂ & ♀ of several species = *I. emancipator* & *I. leucophaea*.

Proctos? 1 small ♂ =

Heniteler *audax*? 1 ♀

Pimpla elegans 1 ♀

Exochus clypealis ♀ at entrance in old garden

19th July 1935 cont. Ruck Hotel garden, cont.
Helicoverpa 2 ♂♂ at on one sand.

Stenocranus ♂♂ 2 ♂♂ on front fence = *S. ochripes*? 7022, 1 ♀.
S. rufus 1 ♀.
Enochia 1 black with yellow on face & head.

Trypeta ♂♂, 2 ♂♂ & 1 ♀ on artichoke = old garden.
= *Phyllosticta*? ♂, same as taken at Glycer, S.K. 1934.

Trypeta *olepta* ♂♂ & 1 ♀ abundant on artichoke - old garden.

Cataglyphis ♂ 1 ♀ under oak leaf in sand - apparently only *fortipes*.
Small ♂ of *ant.* with small *ant.* also under leaf. (but it has smaller *ant.* than *fortipes*, rather long, but not *crassipes*.)
B.S.S.

Homocidus pallipes 1 ♂ - old garden or wet garden?

obscure ♂ (♂♂?) in old garden - very large.

Promethes cognatus 1 ♂ in old garden.

Enochia picta 1 ♀ in old garden.

Tetraneura 1 ♂

Olesicampe fulvipes 2 ♂♂

19.7.35 cont. Ruck Hotel garden, cont.
Enochia fulvipes ♂ *B. epiphylla*? 1 ♂, dead egg.

Colletes *lucorum* 1 ♂, very small.

Phagocera *tristis*? ♂♂ & 1 ♀, black.

Euclyptus *infidus* 1 ♂ (♂♂?)

Opius pygmaea 1 ♂

Trachusa aurora 1 ♀

Dacnusa *areolaris* ♂♂ & 1 ♀ in garden.

Apanteles *sericeus* ♂♂, not kept.

Pteron 2

Chalcid 1

Leptocryptus: one minute orange "gnat"

25th July 1932. A fine day but with heavy rain
 H. rain & strong gale, one heavy shower about
 10-30 A.M. otherwise fine & very sunny.

Banks of river & adjoining woods, etc. above
 Glynariff Lodge, Co. WC. 11.30 - 5.0 P.M.
 with J. S. Flynn.

Bombus agrorum & lucorum seen.
 Andrena humilis, several large colonies on path
 & east edge on both sides of river; many ♀♀
 quite fresh & some tiny, newly hatched; no ♂♂ seen.
 G. tarsata ♂♂ - several places.
 G. citreus & fuscipes ♂♂ seen.

Helictes rubicundus ♂♂ & ♀♀ - abundant.
 H. colusatus & albug. ♂♂ & probably ♀♀ seen.
 H. villosus 1 ♂ taken by Flynn.
 H. leucopus ♂♂ & ♀♀ seen.

Sphacusa scutellariae & affinis ♀♀ seen; also very fresh.
 Sph. of ~~scutellariae~~ & lat. = a rather large ♀ of S. affinis!

Homocidus floricollis 1 ♀ examined.

26.7.36 cont. Glynariff Lodge, river & river, cont.
 Megachile willughbiella very rare on flying over drain with ~~Stenobothrus~~ ^{Stenobothrus} ~~Stenobothrus~~ ^{Stenobothrus}
 Colletes succineus? ♂♂ on Hypochaeris at field bank
 on left bank of river, by Flynn.

Vespa ruficornis ♂♂ seen.
 Odynerus trifasciatus 1 ♀.
 Eristalis ruficornis, elongatus, divinator (44) & 4-segmented ♂♂.

Leucospis albicollis in several places on path & road near
 mostly on right bank of the river near a good & tall hedge.
 Sclerostoma ruficornis ♂♂.
 S. ruficornis ♂♂ seen.

Andrena ?? large small ♂ (12) in bank of river near 1 out-bank of river
 Formica fusca seen but not common.
 Lasius flavus, bank full of ♀♀, but not many ♂♂.
 L. niger seen most with wings ♂♂ & ♀♀.

L. alienus? ♂♂, small & spotted on gravel flat by river, right bank.
 Myrmica ruginodis & scabrinodis ♂♂ examined.
 M. ruginodis? 1 ♀ on beating tray after beating lily
 but no more to be had, so sorry that I am off
 at 10.15 on river on May preceding.

Donisthorpe in litt. to A.N.S. dated 29/2/36
 names those "A.(B.) niger & var. alienus niger Foul."
 In my opinion these ♂♂ are much nearer alienus than niger. A.N.S. 2.2.36.

on right bank of river
 at ford

20.7.35 cont. Glangariff Lodge, Cork & vicinity (cont.)

Am. Hyalid. quadripunctatus 1 ♂.

Metacoelus punctatus? 1 ♂, *Brachichneumon ruficornis*? 1 ♂.

Barichneumon? 1 ♂.

Euclyptus? 1 ♀, reddish abd.

Lucania parvula 1 ♀ at st. (Hym.)

L. folia? 1 ♀ at st.

Glyptocryptus 2 ♂ at st.

Myrmica singularis? 1 ♂.

Stenomacrus murata? 1 ♂ taken out of hole; not yellow, mark on face.

Chalcid 1 ♂ at st.

Chalcid 1 ♀.

Spalangia n. sp. 1 ♀ at st. (Hym.)

Ascyrtus 2 ♂ at st.

Leptocryptus hairy, red & black, like *Zelota* 1 =

20.7.35. cont. Glangariff Lodge, 10 cont.

Chalcid ♀, long terebra

Proctos long antennae, 1 + another.

Small *Proctos* of *Gyrinus*.

Salt Keeper (*Tithonus*) *Brachichneumon* just seen out.

21st July 1935. Very wet & rainy, afternoon rain till mid-noon. Did not go out till 5 PM, then went to the garden at

Rocky Hotel, Glangariff, Co. W.D. 5.10. 3.0 PM.

Went to the garden off *Brachichneumon* & *Leptocryptus* & *Glyptocryptus* in vegetable garden; saw other things caught by J.E. Flynn with net.

Brachichneumon 1 ♂, *Leptocryptus* 1 ♂, *Glyptocryptus* 1 ♂.

Verpa vulgata & *Agrostis* ♀ & ♂ at st.

Brachichneumon laminatorius 1 ♂ (J.E. Flynn!)

Ichneumon 1 ♂ (J.E. Flynn!)

Brachichneumon? ^{fabulator} var. *peripartus*? 1 ♂. *Barichneumon* 1 ♂.

Leptocryptus 1 ♂ = *Euclyptus*? 1 ♂.

Leptocryptus aeris 1 ♂.

Pezomachus instabilis? 1 ♀.

Phytodietus 1 ♀.

Tryphon *brachymeria* 1 ♂. *Perilissus* 1 ♀.

Stenomacrus ochripes? 1 ♂. *S. rufus*? 1 ♂.

Euclyptus 1 ♂. *Schizotoma capitata* 1 ♀.

21. 7. 35 off. cont. Rock garden, Glengarniff cont.

Rhyssalus irregularis 2♂♂, 1♀. *R. brevis*? 1♀, with dark hind femora, etc.

Apanteles 1♀. *Microplitis* ^{tuberculipes} ^{or dark median} 1♂. *Diaparsus* *utilis* 1♂

Metacoelus filator 1♀. *Opius* *serius*? 1♂ & 1♀

Dacnusa areolaris ^{1♀ returned by Nixon 9.11.1936 labelled areolaris, ANS.} *D. areolaris* var. *P. Hal.* ^{Common in vegetation, said to be 2♀♀}

Aspilota minuticornis? 1♀. *Aphidius* 1♂ (antennae broken).

Procto 2 off. 2♂♂ abundant =

22nd July 1935. Very soft & warm but no sun till about noon, then all morning & very hot in P.M., S.W. breeze.

Bank below road & river above Snare Bridge & below

Corranholm Bridge as on 17th. (C. WC)

Drosophila *apicula*, *lucida*, *lapidaria* (2) & *lucida* 2♀♀ seen.

Andrena tarsata ♂

A. lucida 2♀♀ in grass.

A. lucida 2♀♀ in P.M.

A. frontalis 1♀ seen in P.M.

Helictes rubicundus, *alvatus*, *villanalis*, *lucida*, *apicula*

H. punctatus 2♂♂ frequent; 1♂ in grass.

H. tenuicornis 2♀♀ seen.

22. 7. 35 cont. Snare, Glengarniff cont.

Sphingonotus 2♀♀ seen in the river = *S. affinis*? ♂ & ♀;

S. Lyalinatus? 1♀, *S. alvatus*? 1♀.

Proctos *fabae* 1♀ taken.

Colletes *inimicus* ♂ & ♀ taken, very common along river bank.

Phaenocarpa *lucida* ♂ & ♀ taken.

Phaenocarpa *capitata*? 2♀♀ at road side, P.M. (very common) in grass.

Phaenocarpa *apicula* 1♀ ✓

Phaenocarpa *variegata* ♂ & ♀ taken in the grass by road.

Phaenocarpa *lucida* ♂ & ♀ taken.

Phaenocarpa *melanocephala* ♂ & ♀ taken.

Phaenocarpa *utilis* ♂ & ♀ taken, especially in P.M.

Below the road foot in river at second bend above

Snare Bridge.

Phaenocarpa *capitata* & *Phaenocarpa* *apicula* seen.

[*Phaenocarpa* *truncatella* ♂ & ♀ taken near river & taken

at roadside about 1/4 mile east of Glengarniff]

Lasius alienus? 2♀♀ running about a tree trunk, above Snare B.

These 2♀♀ are similar to those from river margin at Glengarniff ledge

taken on 7. 35 & which Donisthorpe in litt. dated 29/2/36

calls. "*A. (D.) niger* var. *alienus-niger* For."

22/7/35 cont. Same, Co. Wick cont.

Diachasma ? 1 ♂

Pimpla ruficornis & *detrita* ? 1 ♂

Bracon tricornatus 1 ♂

Bracon 1 ♀

Pentapleura tenebrata ♂ 1 ♀ flying over head for several at-
tours & before seen through mist. Taken at
midday in the place low over ground & of insects.
At the time only one ant with a number of
Formica ruginervis, but other ants (7 *formica*, 1 *myrmica*, 30 *agilis*)
frequent not far away.

Decameron andrea seen

Cicada small, black, jumper, taken on bank & with some
other.

Yellow & black Syrphid fly = *Chrysotoxum festucae* L.

22/7/35. Taken by J. E. Ryan by Barrow River, Glengarry, W.I., but for above
main note: - *Crossus muricata* ♂ in old willow, Metapneustes
& *Colletes succineus* ♂ & ♀ at willow & c.

Cerophygus

23rd July, 1935. Very warm, dull & drizzly all day.
Windy, & much of rain & drizzle, so dripping that it is
impossible to walk & only occasionally possible to look.
Very few insects out or about.

Seen near Glengarry Lodge, Co. Wick. a large
Bombus ♂ & ♀ & *halictus* ♂ & ♀

Selachia exaltata & *detrita* ♂ & ♀
Andrena humilis ♂ & ♀ very large, numerous
Halictus & few other seen, nothing new

Selandria varia ♂ & ♀ 3 ♂ seen, 1 ♀ not seen.

Centistes alboguttatus ♀ seen on oak
Mesochorus oculatus Horn 1 ♀, probably new to Ireland. A.V.S. 22/10/36!
Erythroneura ♀, black legs =
Pygostolus: *brachypterus* ♂, small. *Homitela* ? very small ♀, curled
1 = ? *H. pseudo-maculata* ♂ & ♀.

Limonia pallens ♀ on grass, not on oak branch.

23.7.35 cont. Glangwiff Ledge, WC cont.
What appeared to be an *Exochus* ♀ taken on rock along
me as finally that I dropped & lost her!

Promethes podotellus ♂? taken on grassy bank with broad
Hemiteles pallipes ♀ at 100 yds. up of rock.

Stenomacrus ruficollis ♂ & ♀, cased.

Plectiscus 1♀ (very small, similar to ♂ of *Hemiteles*?)

Gymnocrasus ♀ =

Exochus (dark) ♂ = *Microgaster ruficornis* (Sent to M. J. 24/9/35)

Apanteles ruficornis? 1♀, kept: (also small black ♂ - new)

Microplitis sp. 1♀ = *Microgaster flavipes*? 1♀.

Phaenocarpa ruficeps 1 ♂, very large

Dacnusa areolaris a few on trees on grassy bank.

Pimpla histriata Butterfly.

24.7.35 Very bright hot sun all day, with strong east
easterly wind. Insects numerous but very wild & difficult
to see or catch.

Worked on same bank 30, Glangwiff Ledge, G.W.C. as on
previous days. 11 AM till 4 PM

Ichneumon spp. many large ♂ & ♀ seen on rock.

Ichneumon small ♂ = *I. gratulator*?

Proctos
suspiciosa Germ.? 1♀ on bank trunk by pond on river surrounded by
♂♂ & I think in up with one of them; ♀ a small one of the
♂♂ taken with another.

Exochus (black) ♂ =

1 bright ♂ with bright red abd. & red 'pink' on legs as far
as I can see. *Sphegomyia* (Hym.) *parvifrons*?
♂ on edge of hay field.

Hemiteles 2 large taken on bank just = *H. minimus*? ♀.

Pimpla flavicornis ♂ & ♂ at 100. *P. ruficornis* ♂ & ♂ at 100.

Leucospis ♀

25th July 1935. A perfect day, very hot sun, a few
light clouds & not fresh but very strong
 breeze. 11.2 AM till 5.0 PM - 24 / 5 Flyn.

Ardnagaskel, Snare & Coonahole Bridges, Co. Wick.

Fields, marsh 2nd, N.W. of Ardnagaskel House = 1.

Coast just W. of Ardnagaskel plantation = 2.

Coast E. of Snare Bridge = 3.

River bank (right) by road between Snare & Coonahole Bridges = 4.

Bottom part of 2nd, on old road to Glengarriff, just W. of

Coonahole Bridge = 5.

Bombus muscorum 1♂ at 1 (Flynn)

B. terrestris 1 beautifully fresh ♂ on coast at 3.

B. lucorum ♂♂ & ♀♀ seen. *B. lapidarius* 1♂ (Flynn).

B. lucorum ♀♀ & *B. agrorum* ♀♀ seen, seen.

Andrena *lucorum* at 2 (Flynn).

A. tarsata ♀ on hillside above 1, near road (Flynn).

A. cristata on bank at 1.

A. caerulea ♀♀ on coast at 3.

Helictes rubicundus 2♂♂, 1♀, 1♂ (Flynn) at 2.

Helictes 1♂ at 2, 1♀ seen for certain.

25.7 35 cont. Ardnagaskel, Snare & Coonahole.

Sphindus affinis ♂ at 3.

S. affinis ♀ at 2 (Flynn).

Thymus *serpyllifolius* ♂ at 3 & ♀♀ probably the same seen
in same place on *Carduus* *lanceolatus* from.

Colletes *montanum* ♂♂ & ♀♀ at 3.

C. montanum ♂♂ & ♀♀ at 4.

Odynerus *truncatus* ♂ at 2 & 3.

Scolia *caestata* ♂♂ at 3.

Panurginus *viridis* at 3.

Myrmica *melanoccephala* 1♀ at 4, 1♂ at 2 & 3 taken by me.

Crabro *caesia* frequent at 2 & 4, also 5.

Meloboris *caesia* 1♂ seen at 4.

Diptera: *Chrysotoxum* *festivum* 1♀ taken at 4.

Fauna *arctica* ♀ in *lupinus*, *sericea* in *rocks* on shore
at 2. When *Helictes* were resting, a small *Helictes* *festivus*.

25.7 35, cont. *Andragathis* & *Smay* & cont.
Pentatomus *lanceolatus* ♀ on old wood at 3.
Proctos *albida* ? ♀ (3 when)

Hemiteles ? (small & panded) at 1.

Spilargus ♂?

Pimpla *viridis* ♀ on wood at 3. (Same as 1st)

Bracon *reluctans* ? ♀ at 1.

Meloboris

Argitia ? 10? ♀ at 1 (carded)

Tenthredo *parkmani* ? (at 3) (1/2) left, the only one seen all day.

Bracon 2 ♀♀ on wood at 3.

B. fulvipes 1 ♀ at 1.

Apariteles small black ♀ at 1.

C. ♀ ? *Spilargus* (same, probably at 1)

Meteorus *cinctellus* 1 ♀ (at 1 ?)

Dacnusa *lathroga* ✓ A.N.S. 26/2/36.
 1st at 1

D. areolaris abundant at 1.

25.7 35, cont. *Andragathis*, *Smay*, & cont.

Spilargus *affinis* ? at 1, 200, 12, 4200 etc. different into 10.

Aphidius off at 1.

Pentatomus *lanceolatus* ♀ & larvae, wood on top of post at 5.

also ♀♀ of *Formica* *parva* (same) & ♀ at 5.

Scelio ? (same as 1st) at 1 (1/2) (1/2) (1/2).

Rosta ? (1/2) *Myrmica* on post at 5, and other insects.

Rosta *long* *antennae*, at 5 also.

26th July 1935 Dull, warm, almost rain. at 10 min.

some old glaucous ♀ seen: many small insects taken in wood.

by sweeping: not much flying. Rocks Point, S. Co. W.C.

Rock garden at Rocks Hotel = 1

Woods below same = 2 (includes "Lugdun"!).

Rocks Point below same = 3.

Bombus *agrorum* & *lucorum* seen. post 200 of little fragments.

Andrena *lanceolata* in masses, some of 1000 at 10 min by old

wood in "Lugdun", which came out during 10 min.

warm burst of sun about 3.30.

26.7.35 cont. Rocks Pt., 0' cont.

Vespa vulgaris 1 ♂ (antennae) at 1.

Crabro 4 ♀♀ (antennae) on eastern point at 3.

Crabro 2 ♂♂ at 2 & 3. *Periphora* 1 ♂ at 1 on lower shore.

Salix 2 ♂♂ at 2.

Formica *pusilla* *lucorum* 2 ♂♂ the very small group, *Pygmaea* *repens* 1 ♂ at 1.

Formica *polygama* 2 large colonies from which 1 ♂ *Phyga* and one the winged ones on 1 May last, 1 ♂ & 1 ♀ still running on oak tree evidently interested on nest.

Antecora 1 ♂

Salix 2 ♂♂ on a branch

Crabro 2 ♂♂ at 1 & 2

Pygmaea *repens* 1 ♀ at 2

Hymen *brachy* 2 ♀♀, on and near water below *Hydrus*, the other on water. Egg at 2: former of *Hygadicus* *retundipennis*, with very large eyes, but wings almost square form: 2 ♂♂ of *Hygadicus* *brachy* form.

Hydra 1 ♀ at 2.

Crabro 1 ♂ at 1 & 2

Crabro 1 ♂ at 2

Crabro 1 ♂ at 2

Crabro 1 ♀ at 2

Plectiscus 1 ♂, in superficial appearance very like *Stenomacrus* *ventralis* = *Diabasis* 1 ♀ =

26.7.35 cont. Rocks Pt., 0' cont.

Crabro 1 ♂ at 1, not kept.

13. *Crabro* 2 ♀♀ at 1. *P. migratorius* 1 ♂ (at 2?)

Crabro 1 ♂ at 2

Phyga *irregularis* 1 ♀ at 1.

Crabro 1 ♂ at 1. *Pygmaea* 1 ♂ at 1. *Pygmaea* 1 ♂ at 1.

Microplitis *tuberculifera* 1 ♂ at 1.

Crabro 1 ♂ at 2 { 2 ♂♂ *Crabro* 1 ♂, *O. irregularis* 1 ♀ + *O. sp. n.* 2 ♀♀. *Hydrus* *brachy* 2 ♂♂. The old *Hydrus* practically effaced: missing 1/3/25 (AWS) Should be entered under 27.7.35, when it is listed as *O. sp. n.* AWS 24/5/36. *Crabro* 1 ♂ at 2.

Crabro 1 ♂ at 2: 1 ♂ at 2, very common type.

Crabro 1 ♂ at 2: 1 ♂ at 2, very common type.

Crabro 1 ♂ at 2: 1 ♂ at 2, very common type.

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Crabro 1 ♂ at 2: 1 ♂ at 2, very common type.

[*Crabro* 1 ♂ at 2: 1 ♂ at 2, very common type. taken in deep water attached to Bay View Hotel, Gillingham.]

27th July 1935. Fairly dull, mainly light breeze, some sun. W. wind strong at times, very wetting in shelter & between windy spells. A good many insects seen in shelter. 11.30 till 2.30.

Woods & river bank, etc., Glenariff Lodge, Co. NC.

Bombus agrorum & *terrestris* seen, very few of latter.

Andrena tarsata 2♂♂ at various places.

A. citreus 5♀ seen on bank.

A. mixta 1♀ of 2♂♂ found!

Halictus confusus seen, also *lunifrons* ♀.

Colletes acuminata ^{very few} seen, on bracken at west end of garden just below, also below.

Scaphisoma *exaltata* seen, mostly on river bank.

P. ruficornis seen, 1♂ taken.

Andrena *variegata* 1♂ taken at *Polystichum* to the left of the house.

Leucophaea 1♀ seen sitting on leaf under bank.

Spilargis *typhlops* 1♀ sitting on bank just above the "The Lodge" above end of garden just below.

Leptothorax acuminatus 1♀.

27.7.35 cont. Glenariff Lodge, cont.

Odynerus *parvulus* ♀ on bank below.

Colletes " " 1♂, 1♀.

Pezomachus 1♀.

Endophaea 1♂, *minuta* " 1♀.

Single *intertexta* ♀ seen.

Glypta *arvensis* 2♂♂ frequent on bank.

Proctos *bellus* ♀ swept in bank.

Stenomacrus ventralis 2♂♂. *St. murula* " 1♂, 1♀, both on same leaf. (sp. very like *bellus*!)

Cryptus *brachycephalus* ♀, not kept.

Euclyptus *truncatellatus* 1♀ (1♂).

Campoplex ? 1♀. Sp. with no areolate in wing, caudal, 1♀.

Campoplex ? 1♂, caudal?

Meloboris 1♂.

27/7/35 cont. Glangariff Lodge, cont.

Brachymeria sp. near *apicillobus*? 1 ♀.

Aspilota *super*? 2 all females in one of baskets etc.

Spilota *maritima* 1 male ♀ swept on road & taken etc.

Microplitis *maculata* Hal. 1 ♀ (KANS 3.1.35).

Macrocentrus (Steb.) *tentator*? 1 ♂ (KANS 3.1.35). *Aspilota* sp. 2. in specimen box KANS 1939. (1 ♂ & 1 ♀ taken on 27/7/35, 1 ♂ & 1 ♀ taken on 28/7/35).

Chalcidius *notatus*? 1 ♀.

Opius sp. 1 ♀ (cf. *notatus*).

O. minutus m. 2 very small 1 ♂, 1 ♀.

Aspilota sp. near *proserpina* 1 ♀.

Triclistus *curvus* 1 ♂ swept. *Pentapleura* *pumilio* 1 ♂.

Brachymeria *arvensis* 1 ♂ & 1 ♀.

Proctos 1 ♀ specimen: 1 ♂ specimen?

= *Phaenocarpa* *pravidata*? 1 ♂.

28th July 1935. Very hot & sunny in morning, sun
windy & cloudy in afternoon.

12.30 noon till 1.30 PM.

Rockies near Baring, River bridge & behind Rock
Hotel, Glangariff, Co. WC.

(During the hour I felt that there were more
the common *Helictes*, 1 ♂, no abundant & scarce,
though in the same place there is little or nothing
to be seen the hour later, even in my last hour.)

Andrena *dentatula* 9 ♀ frequent on *Ray* root &
one taken on *Andrena* *dentatula*.

Megachile *vinosa* 1 ♀ on flower of *Andrena* *dentatula*.

Homocidus *super* 3 ♂ & 1 ♀ on *Andrena* *dentatula*, but on soil near
behind Rock Hotel, River J.B. There had appeared
a *dentatula* party, though none of the latter were there
by me on the date.

28/7/35 afternoon. 3.30 till 6.30 PM.

Covered some ground in morning, but found little
there, worked up the hill-side ^{W. slope of hill} & took
some there. Took up *Andrena* *dentatula* with water
Glangariff, Co. WC.

29.7.35 cont

Sheep River, Co. SK. cont

Pompilus ruficornis 10, 15 taken.*Campoplex* 1 large ♀.*Odynerus* 1 fasciatus.*Euclyptus* 10.*Polyblastus* 10.*Campoplex* 1 ♀.*Euclyptus* 10.*Angitia* 10.*Chalcid* 10.

END OF KENMARE -
GLENARRIFF TRIP

30th July till 1st August, 1935.

Garden, 14 Clareville Rd, Harold's Cross, Dublin.

All days very sunny & hot, except 4th Aug., though windy.

Bombus terrestris ♂♂, *B. lucorum* ♂♂, *B. minor* 10.on 4/8/35, *B. agrorum* 2 ♀♀ & ♂♂, mostly on *Centaurium* *Sedum*.*Megachile* with *Psithyrus* ♂ seen crossing flying up & down & visiting *Campoplex*, returning early in afternoon to one of the holes in clothes-line post. ♀♀ working at *Campoplex* & one loaded with pollen seen to enter hole in brick wall, behind tub, at 8.15 PM on 4/8/35.*Habitus* *larviformis* ♀♀ on *Trifolium* & *Lobelia*.*Chalcid* of *ruficornis* in *Phlox* on 30th July (probably *larviformis*) & one sweeping hole in clothes line post on 4/8/35, but so far no sign of *B. ruficornis* seen since for *Chalcid*.*Odynerus* *pictus*? 10 seen on 3/8/35.*Chalcid* *sp.* seen on post.*Vespa* ♂♂ seen, with *agrorum* or *germanica*.

Very few other seen! Garden too dry & withered!!

4th Aug. 1935. 10.30 till 1.0 PM.

North Bull, sandhills at entrance E. end, Co. DU.

Entirely dull, windy (SW), cool, & very few insects out, & is usual when I visit this place.

Bombus lapidarius ♂♂ & ♀♀ numerous

B. morio ♂♂, a few.

B. lucorum ♂♂ frequent.

B. agrorum ♀♀, 2 ♂♂ also.

Psithyrus distinctus 1 ♂ seen.

Colletes picinervis ♀♀ only seen & then scarce, & *Ephedrus* *brachymerus* only seen at the same nearly 1st.

through mist of clouds.

Pompilus flabellus ♂♂ & ♀♀, very common.

Bethylus pusio 1 ♀ swept off *Euphorbia*.

Brachymeria *pubescens* 1 ♂, 1 ♀.

Apanteles congestus: ♂♂ & ♀♀ very common.

Oxygaster sp. nov. 1 ♀ ^{shaded} *Meloboris* cf. *rubens* 1 ♀ ^{shaded} ^{from a taken in} ^{number here on} ^{Aug. 1934.}

Leptocryptus lituratus? 1 ♀ (1)

Praon: on small, =

Cont. on page

[On 1st Aug. 1935, E. O'Malley took at Dollymount, Co. DU., *Polybia ruficornis*, 1 black ♀; *Pygostolus* 1 ♀, & a *Praon*.

On 8th Aug. E. took a very dark ♂ *Pygostolus* in the same place. ^{Two specimens taken by E.O.M. in St. Anne's, Clontarf, Dublin, this would be 1935.}

A. H. S.!

North Bull, DU. 4/8/35, cont.

Phaenocarpa? 1 ♂ & 1 ♀

Attractodes 1 = *Pimpla* *terminata*? 2 ♂♂. *P. brevicornis* 1 ♀.

Agromyza *irregularis*? 1 ♀. *Campoplex* 5 (♂♂, 4 ♀♀) = *Campoplex* 1 ♀, *Angitia*? 2 ♂♂, 1 ♀.

Meloboris 1 ♀.

[Leaf of *Rhamnus cathartica* cut by ♀ *M. willughbiella*, 6.8.35.]

7th August 1935. Very hot, E. wind - Dublin, W-SW for the inland, consequently a cloud given on city, some clouds also over mountains, dull at times in Glencree, but considerably sun, especially after 5 PM.

Slade Brook, 700-1000 feet, Upper Glencree, Co. DU.

3.30 till 6.30 PM.

Bombus lucorum many ♂♂, a few ♀♀, most at bath.

B. hortorum ♂♂ seen. *B. pratorum* 1 ♂ seen.

B. morio ♂ seen. *B. lucorum* ♂.

B. agrorum ♂♂ & ♀♀.

Psithyrus distinctus & *terrestris* ♂♂ seen on bushes.

Colletes picinervis ♂♂ frequent flying over *Calluna* on

side W. of stream, 1 ♀ probably fresh at 6.0 PM.

Ephedrus ♂♂ given to E.

Colletes picinervis on large ♂ at *Calluna* at 6.0 PM.

Helictes subcylindricus ♂♂.

Sphex *caudatus*? 1 ♂ seen.

4th Aug. 1935. 10.30 till 1.0 PM.

North Bull, sandhills at extreme E end, Co. Du.

Entirely dull, windy (SW), cool, & very few insects out, as is usual when I visit this place.

Bombus lapidarius ♂♂ & ♀♀ numerous

B. morio ♂♂, a few.

B. lucorum ♂♂ frequent

B. agrorum ♀♀, ? ♂♂ also.

Psithyrus distinctus 1 ♂ seen

Colletes piceus ♀♀ only seen & then common, in *Euphrasia*

truncatus only seen at some distance, mostly just

through veil of clouds.

Pompilus glaucus ♂♂ & ♀♀, very common

Psithyrus pusillus 1 ♀ swept off *Euphrasia*

Brachypterus 1 ♂, small.

Apanteles congestus: ♂♂ & ♀♀ very common

Oxygaster sp. nov. 1 ♀ ^{detected} *Meloboris* cf. *rubens* 1 ♀ { Seen & taken in numbers here on Aug. 1934.

Leptocryptus 1 ♀ (?)

Proctos: no males, =

Cont. on next page

[On 1st Aug. 1935, E. O'Malley took at Ballymuck, Co. Du., *Glypta ventralis*, 1 ♂ & ♀; *Pezomachus* 1 ♀, & a *Proctos*.

On 8th Aug. he took a very close to *Varpa uliginosa* in the same place. For species taken by E.O.M. in St. Anne's, County Du. see the record on p. 135.

A.W.S.

North Bull, Du. 4/8/35, cont.

Phaenocarpa ? 1 ♂ & ♀

Athalia 1 =

Pimpla tenax 1 ♂ & ♀ *P. brevis* 1 ♀

Pezomachus *nitidus* 1 ♀

Chrysopids 5 (♂♂, ♀♀) = *Campoplex*

1 ♀, *Angitia*?

2 ♂♂, 1 ♀.

Meloboris 1 ♀

[Leaf of *Rhamnus cathartica* cut by ♀ *M. willughbiella*, 6.8.35.]

7th August 1935. Very hot, E. wind - Bull, W-SW

from the island, consequently a cloud given over city, some clouds also over mountain, dull at times - Glencash, but considerable sun, especially after 5 PM.

Slade Brook, 700-800 feet, Upper Glencash, Co. Du.

3.30 till 6.30 PM.

Bombus lucorum many ♂♂, a few ♀♀, most at bath.

B. hortorum ♂♂ seen *B. pratorum* 1 ♂ seen.

B. muscorum ♂ seen - *B. debilis* 1 ♂

B. agrorum ♂♂ & ♀♀ -

Psithyrus distinctus & *terrestris* ♂♂ seen on bushes near bath.

Andrena *pratensis* ♂♂ frequent flying over bathhouse on

left bank W. of stream; 1 ♀ absolutely fresh at 6.0 PM.

after ♂♂ given to bed.

Colletes *maculatus* on large ♂♂ at bathhouse at 6.0 PM

Halictus rubicundus ♂♂.

Sphacelodes *divinus* ? 1 ♂ seen.

11th August 1933 Very hot, windy day, some drizzle, just before a depression, which arrived evening with heavy rain. Wind S.W.

Took 10.0 AM train from Kings Bridge to Portarlington returning 4.42 ex P. arriving K Br. 6.15.

Walked from Portarlington station along S. side of Mountbelle canal to Woodbrook dam, then up road (SE) to sand-pit "near Emo Park" where on 12.8.1934 Allen & I got *Nomada argentata*, 1st found the good Section field had been ploughed up & planted with potatoes, thus destroying the *Andrena marginata* ground. All Queens Co.

Canal bank, Portarlington to Woodbrook = 1 { labelled Portarlington 11.8.35 }
Sand-pit on road to Emo Park = 2 { labelled near Emo Park 11.8.35 }

Bombus sylvarum 1 rather worn ♂ by canal near Portarlington on return journey.

B. lucorum, *agrorum*, *terrestris*, *lapidarius* & *terrestris*

Pentagona distincta ♂ & ♀ seen. (♂ & ♀ seen)

Andrena marginata only 1 ♂ seen at 2.

A. pygmaea 1 ♂ on *Carduus marianus* at 2.

A. dentifrons ♂ & ♀ seen at 3 *gibbata* at 2.

Halictus rubicundus ♂ & ♀, *uliginosus* & *alpinus* ♂ & ♀, *fulvus* ♂ & ♀

Andrena ♂ & ♀, *lucorum* ♂ & ♀ seen at 1 & 2.

11.8.35 cont. Portarlington district, Q.C., cont.

Sphex affinis & *divinus* ♂ & ♀ seen at 2.

Nomada argentata 3 ♀♀, large & slightly fresh, on

Sectiona nemorum in sand pit at 2.

Colletes maculata 1 fresh ♀ at 2.

Thalassidroma ♂ & ♀ at 2. *Pemphredon schenckii* 1 ♀.

Crabro podagrum 1 ♀ swept at 1.

Salix cristata ♂ & ♀ seen at 2.

Odynerus tripunctatus 1 ♀ at 2.

Vespa rufa, fresh ♀ on *Asperula* at 1. *V. vulgaris* common.

Anthophora morio 1 fine fresh ♀ at 1: 2 ♂ & 1 ♂.

Anthophora "arvensis" perhaps a dozen seen, but not identified.

Salix cristata ♂ & ♀ at 1.

Stenomacrus ♂ & ♀ at 1.

Formica exsectator 1 ♀ at Section stump by tree fall at 1.

Ichneumon ♂ & ♀ at 1 = *Stenichneumon culpeator*, black from

94.

5

22.8.35 cont. - Slade of Laggart, Co. Wick. cont.
Chalcid 2 ♀♀ *B. chelator* 1 ♀
Phygadeuon 1 ♀ *R. sp.* 1 ♂ *Adelius* 1 ♂ *Apanteles* 1 ♂
Colletes 1 ♂ *Onychophanes* 1 ♂
Euphorus 1 ♂ *Leptocryptus* 1 ♂
Bracon 1 ♂ *B. paganus* 1 ♂ *R. sp.* 1 ♂
Apanteles 1 ♂ *Apanteles* 1 ♂
Bracon 1 ♂
Adelius 1 ♂ *G. ditylus* 1 ♂ *G. flaviventris* 1 ♂
Pentapleura 1 ♂ *Pentapleura* 1 ♂
Phaenocarpa 1 ♂ *Pf. lundae* 1 ♀, not quite normal, but
Orthocentrus 1 ♂ *Orthocentrus* 1 ♀
Panurginus 1 ♂, very like the species
For list of *Aspilota* & *Microgaster* see bottom of previous page.

23.8.35. Insects taken by J. F. Parkin, (a friend of mine)
on sand dunes S. of Portlaoine, Co. Wick.
Homocidus 1 ♂ of 2nd brood (reported by him, to be against
Trichogramma 1 ♀, *Trichogramma* 1 ♂ *Chryse* 1 ♂ *Chryse* 1 ♂
Apanteles 1 ♂ *Apanteles* 1 ♂ *Perilissus* 1 ♂
Lucania 1 ♂ *Lucania* 1 ♂ *Lucania* 1 ♂

25th August 1935. A fine day, with light rain, but
rather keen & strong W. wind. Still J. F. Parkin & I were there
Glencullin, for 1 mile above Enniskerry, Co. Wick. 500 ft.
Most insects taken by sweeping, made dunes in 2nd place
by old beach, some on S. (right) bank of river, & only a few
caught flying in mouth, etc. Small *Trichogramma* & *Trichogramma*
very abundant & many taken & given to me by J. F. P.
Most were given to J. F. P. included another ♂
Promethes 1 ♂
Trichogramma 1 ♂, 1 ♂, 1 ♂, 1 ♂
Pentapleura 1 ♂ *Pentapleura* 1 ♂, with 1 ♂, 1 ♂
Chryse 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂
Stenobothrus 1 ♂ *Stenobothrus* 1 ♂, 1 ♂, 1 ♂
Euphorus 1 ♂ *Euphorus* 1 ♂
Pentapleura 1 ♂ *Pentapleura* 1 ♂
Phaenocarpa 1 ♂ *Phaenocarpa* 1 ♂

Trichogramma 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂
Trichogramma 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂
Trichogramma 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂
Trichogramma 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂
Trichogramma 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂, 1 ♂

98.

22.8.35 cont. - Shade of Saggert, Co. Wick. cont.
Chalcidanthracinus ? 2 ♀♀ *B. chelator* 1 ♀
Phygadeuon ? 1 ♀ *P. cf. ...* 1 ♂
Colletes ? 1 ♂ *Oncophanes* ? 1 ♀
Euphranta ? 1 ♂ *Leptocryptus* ? 1 ♂
Bombus ? 1 ♀ *B. pratorum* ? 1 ♂ *B. cf. ...* 1 ♂
Sp. ... 1 ♂ *Sp. ...* 1 ♂
Bombus ? 1 ♂
Adelura ? 1 ♂ *A. ...* 1 ♂ *A. ...* 1 ♂
Pentapleura ? 1 ♂ *P. ...* 1 ♀
Phaenocarpa ? 1 ♂ *P. ...* 1 ♀, not quite normal, but ...
Orthocentrus ? 1 ♀
Panurginus ? 1 ♂, very like the species ...
 For list of *Aspilota* & *Exochus* etc see bottom of previous page.

23rd Aug 1935. Insects taken by J. F. Perkins (a few km.)
 on sand dunes S. of Bortran, Antrim, Co. An.
Homocidus ? 1 of 2 ♂ brood (spotted by long legs against ...)
Meteorus ? 1 ♀, stoutest. *Allysius* ? 1 ♂
Aspilota ? 1 ♂ *A. ...* 1 ♂ *Pentapleura* ? 1 ♂
Lacmus ? 1 ♂ *L. ...* 1 ♂ *L. ...* 1 ♂

99

25th August 1935. A fine day, with hot sun, but
 rather keen & strong W. wind. Still J. F. Perkins & I were in
 Glenullagh, for 1 mile above Enniskerry, Co. Wick. Road 502.
 Most insects taken by sweeping under stones - some by place
 by old trunk, some on S. (right) bank of river, & only 2 per
 caught flying in sunlight. Small *Stenomacrus* 1 ♂
 very abundant & many taken & seen from 5 F.P.
 Most insects given to J. F. Perkins & another on
Proctos ...
Verpa ? 1 ♂, partly, ...
Perilissus ? 1 ♂ *Proctos* ? 1 ♂
Chalcid ? 1 ♂ *Chalcid* ? 1 ♂
Stenomacrus ? 1 ♀ ? late specimen, or 2 ♂ brood.
Euphyas ? 1 ♂
Pentapleura ? 1 ♂
Phaenocarpa ? 1 ♂

Cryptus ? 1 ♂ *Cryptus* ? 1 ♂ *Cryptus* ? 1 ♂
Chalcid ? 1 ♂ *Chalcid* ? 1 ♂ *Chalcid* ? 1 ♂
Small Cryptus ? 1 ♂ *Small Cryptus* ? 1 ♂
Henilites ? 1 ♂ *Henilites* ? 1 ♂

Habitus albus 107 = mandjib

Therapsites 1 small ♀, long, tusk.

Alysia manducator 07.

Quercus macrocarpa, f.

8th Sept 1935. A fine day, clearing in evening, with
almost a gale at times from SE, but no rain &
almost calm & much warmer in afternoon, after a small
depression had passed.

Slade of Sappart, Co. Du. 11 till 3.0 PM

All insects taken by sweeping, mainly under trees on left (W)
bank of slade, a few by the river side or on right bank.
Bombus agrorum a few & 8 still large, with at *Scabiosa succisa*
B. lucorum a few & seen on road near Sappart.
B. lapidarius a few just at the river side on *Scabiosa*
No other bumblebees seen but ants 7 species, in myriads
& in scabiosa 10 swept.

Meloboris sanguinator 2♀♀ swept, both stung me!

Chalcidius areator ? 10♂

Chalcidius red & very common = *P. fulvipes*.

" blackish = *P. tubicola* ?

" of *acicularis* 1 ♀, with *Chalcidius* & black femora

Dacnusa *pumilio* 5♀♀.

Epitoma pygmaea 1 small ♂, curled.

Cryptus large ♂, red abd., with neck.

Helictes 1 small ♀, red abd. (pinned!)

8 9 25 cont. Slade of Sappart, Co. Du. cont.

Stilpnus gageator ? 10♂, ♀. *Pezomachus* 2♀♀.

Cryptus 5 red ♂♂

Leptocryptus *areator* ? 10♂, also 2 slender ♂♂ ? *Helictes*, 1 ♂, seen this & *Helictes* of 10.9.35
Lissonota bellator 10♂, 1 ♀ (1 ♀ tends to fit description of *bellator* L. subacicularis, AWS, 25/3/36,
see J. F. Stephens, *British Beetles*, 5.4.1937, "not bellator" but all 10, long, brown of
Pimpla *truncator* 2♀♀ examined. *P. elagans* 1 ♂, but missing, about!

Polyblastus tuberosa 1 ♀. *Pimpla* *tuberosa* ? 1 small ♂.

Dyspates praecipua 1 ♀, very late for this of 10.9.35 ? 2nd brood!

Bombus terrestris 1 ♀ examined

Homocidus *signatus* ? 10♂ on old road under trees & 1 ♀
with 1 ♂ swept

Phaenocarpa

Mesochorus sp. 20♂, 1 ♀; *M.* sp. 2 1 ♀ 10.9.35 1 ♀

Orthocentrus 10♂.

Microgaster ? *Alexator* *sectator* 1 & another somewhat similar of same kind.

Mesochorus red thorax of *M. vittator* ? 10♂ & 9♀♀ frequent, 1 ♀ stung me!

M. sp. 1 small ♀, seem distinct from last species, but possibly a fresh

Paniscus sp. 1 small ♀

Camptoplegid ♀, red abd. seen of 1 ♂ taken S. of Bray Head on 1.9.35.

Plectiscus sp. 1 ♀.

Helictes 10♂

Picrobleptus *serripes* ? 10♂ (collected).

Cont

8 g. 35 cont. Slide of Sappart, etc. cont.
Prionotus eraticus 1 ♀ 1st inst. except length. *Centurus* signs
B. discoides 1 ♀
Centurus *braccon* ♂ & 2 ♀♀, examined.
S. 1st *candellus*? 1 ♂
Rhyssalus *black* *small* = *R. tristes* 3 ♂♂
R. tristes of *red* *flavus* 1 ♀.

Metacoelus *retroversus*? 1 ♀ *M. pilator*? 1 ♂
Aphidius
Blacus *ruficornis*? 1 small ♂ & ♀.

Microgaster *infernus* 4 ♀♀.

Coprus sp.? 1 ♀, apex well with *rich*. Hal. except for broad stigma.
O. angulatus? 2 ♂♂ (small) & 3 ♀♀ (large). *O. sp.*? 1 small ♂, *testaceus* abd.
O. cf. pygmaeus x *angulatus* 5. + another ♀

Dacnusa adducta 1 ♂, 2 ♀♀. *D. latipes*? 1 ♂, 2 ♀♀
D. areolaris *black* *lateralis*, *Nixon*? 2 ♂♂
D. pallipes 1 ♂. *D. sp.*? like small *lateralis* 11 ♂♂ & 2 ♀♀, also 1 small ♂ or ♀ same sp.
D. (areolaris) *black* *lateralis*? 1 ♂, 1 small ♂, all old and dead.
Gyrinus *sp.* *retroversus*? 1 large ♀.

D. melanocera *Thomson* *lett* *det* *18* *5* *1936* *ANS*

D. glabra *Nixon* *in* *lett* *det* *30* *8* *1936* *ANS* *5* *9* *36*

8 g. 35 cont. Slide of Sappart, etc. cont.
Aphidius *retroversus*? 1 large ♂
A. varius sp. (cf. *sp. 4=5*, *sp. 4=5*, *pubicornis*, *crassipes*) 3 ♂♂, 3 ♀♀.
Ephedrus *validus* 2 ♀♀
Prionotus *stylatus*? 1 ♀, very small, nearly 1/2 a line, with 10 segments antennae.
Aphidius *retroversus* 1 ♂
Proctos *truncatus*

Cynipid.

13th Sept. 1935. A very bright sunny day, warm, but very strong S.W. wind, after 4 pm rather
Phenacoma, *C. sp.* 3 left by 30 PM.
 All insects swept under trees along old road & lower woods
 & in fields just before lower dam, where the only
 shelter was to be found.
Bombus terrestris 1 ♂, 1 ♀, fine find of new in small
 13. *Cyrtus* frequent at *Sedum* sp.
 15. *murus* 1 ♂ (or ♀) seen
Halictus *caeruleus* 1 ♂ swept

13/9/35 cont. Glenasmole, Co. Du. cont.

Vepra vulgaris ♀♀ numerous.

Salix *catenata* group - ♂ with black legs.

Acanthocryptus *quadripunctatus* 2 ♂♂ (both *fl. nigrum*)

Cryptid. (carded) 2, 10, 249, 2 off

Pegomya 1 ♀, very small.

Stenobothrus *leptogaster* 1 ♀ (carded).

Euclyptus or *Stenobothrus* 2 ♂♂ (carded).

Pimpla *baricornis* 1 ♀ (carded), at Knappton

Orthocentrus (or *Stenobothrus*?) 1 ♂

Promethes *leptogaster* ✓ *P. dorsalis* 1 ♀ (carded).

Dysfaster *peruviana* 1 ♂: 2 ♂♂ (1 of 8/9/35 from St. of Saggart)

Mesochorus 1 ♂♂ *M.* *maculipes* (carded)

Campoplegid 1 ♂ (carded).

13/9/35 cont. Glenasmole, Co. Du. cont.

Colletes *barrenum* 1 ♀.

Phygadeuon sp. red flower, 1 ♂ & 1 ♀.

Phaenocarpa *rupestris* 4 ♂♂ 1 ♂. *P. confusator* 1 small ♀.

Aspilota several = *A. "cautissima"* among the 228, but distinct!

G. of 4th 2" 1 ♀. *G.* "of 4th 5" 1 ♂ & 1 small ♀, it is *Stenobothrus*.

Stenobothrus [2 ♂♂] *D. abdita* 1 very large ♂.

D. abdita 1 ♀ = *telus* I of *Stenobothrus*. *D. adducta* 1 ♀.

D. auctaria, common, hairy ♀♀, 1 ♀ carded.

Aphidius

Proctos

15th Sept. 1935. A fine day, with high wind, W. Set,
+ heavy shower. Others all empty & none seen, but

Shore along railway, where it crosses railway, 1/2 mile
S of Bonabett station, Co. Dublin. 10 till 1 p.m.

[Looking under sea weed etc. for Braconids, but hardly
any seen & the wind from Zosteria & high spring tides
soon covered even the shore. A few insects swept along railway
as above the crossing, particularly near S. of road to Corbally.]

Bombus lucorum several seen & 9 of seen.

B. lapidarius 2 seen. *B. agrorum* 2 seen & 1 of seen.

[No other *Bombus* seen]

Euclyptus 9 swept in *periclyptus*.

Pimpla trivittata 10, several 99, probably at 1/2 p.m.

Periclyptus

Apanteles 1 of with white wings. *Ep. cf. pectorator* 399.

Syrphoctonus 299. *S. pectorator* 9 1/2

Aphidius 1 of 299 with white wings.

Ichneumon 1 of. 1 of with white wings under sea weed.

22nd Sept 1935. A fine day, with high wind, W. Set,
with moderate breeze. Small insects very numerous.

Ferry Glen, Phoenix Park, Co. Du.

All insects swept by stream, or taken with net from bank
of bottlefoot, above where main stream crosses glass above
the pond & below & above with many dead specimens, but others
[No *Ichneumon* seen in grass, but *Ichneumon* 4/4 (2 all *Ichneumon*) very
numerous at Harold's Cross, etc.]

Phaenocarpa pumilio 10. *Ph. lucida* 10. *Pentapleura angustula* 10.

Apanteles 1500. ca. 7 off? (incl. 2 *Synaldis*). *Synaldis* 1000. ca. 1000. 299.
Synaldis 1000. ca. 1000.

Ichneumon 1000. ca. 1000.

D. pallidistylus 7000.

D. ovata ?? 3000, with 20, 30 & 35 jointed antennae. *D. areolaris* 2000, 299.

D. sp.? like small *retundus* with 4/35 jointed antennae & white wings & 1000.

Aphidius 1000. ca. 1000. *Aphidius* 1000, not kept.

Apanteles 1000, ca. 1000, 299. *Ichneumon* 1000, not kept.

Apanteles 1000.

Apanteles

Ichneumon 1000.

19 very common (1000 of. seen last. = *Epitoma pygmaea* *Brachy* {*avis* 11.11.35})

Ichneumon 1000, with 10 jointed wings, seen under sea weed?

F. T. O.

[2 off. taken by E. O'Mahony in St. James' Park, Dublin, Co. Du.
= *Ichneumon* *Ichneumon* 1000. ca. 1000. 299.

22/9/35 cont. Long Glen, Phoenix Park, Co. Dub. cont.
Pegomya *nitida* " 299 *P. fuscata* 17
Shilpa and *Sp.*
Attractodes *tenellus* ?
Cic *sp.*, *Cratichneumon*

Leucosticte *commissa* 1 ♀, with both ant. wings torn off.
Campoplegid, black ♀, ♂ = *C. morio* ?
Chalcid *sp.*

25th Sept. 1935. A most perfect autumn day, after rain & a cold clear night. Many insects out, but vegetation too wet to sweep & all insects taken off leaves or with smokes.
 (lepper end only), Slade of Saggart, Co. Dub. 2.30-4.30 PM.

Bombus agrorum several seen.

Athalia, black open to thorax, many ♂♂, ascending in one sunny spot.

Saunders: 2 purple larvae on *Epilobium montanum*, hanging in a curve from their rest where & looking very like bird droppings.

From one of these apparently a *Mesochorus* larva was bred on 14.7.1936. AWS. From the other small larva was bred *Athalia longula*.

Some really taken on 29.9.35 labelled 25.9.35 by *arv* AWS

25 9 35 cont. Slade of Saggart, Co. Dub. cont.
Ichneumon "militaris"? 1 ♀. *Oncophanes* *lineator* cf. *lineator* 1 ♀ (small)
Phaenocarpa *fulvipes* 1 ♀, very common; 4 taken. *P. sp.* ? small ♀, cf. *fulvipes* ?
Exochus "200". *Pegomya* 1 ♀. *Exochus* "200" (small)
Ichneumon *sp.* 1 ♀. *Exochus* "200" (small)

Chalcid

Chalcid *sp.* 4 ♀♀. *Chalcid* cf. *lineator* ? labelled 25/9/35
Microgaster 1 ♂. *Stenomacrus* *sp.* ? 1 ♀ (small)
Pimpla "1". *Microgaster* *sp.* 1 ♀, very dark thorax.
Chalcid 1 ♀.

Aspilota cf. *leptogaster* 2 ♂♂, 1 ♀. *A. sp.* cf. *leptogaster* 2 ♂♂.
A. crataeva "1" 1 ♀. *A. sp.* cf. *radialis* 3 ♂♂.
Dacnusa adducta 1. *D. areolaris* abundant & var. *sp.* 1 ♀.
Aspilota *sp.* 1 ♀. *A. flaviventris* 1 ♂.
Blacus *sp.* 1 ♀ & 1 ♂.
Aspilota 1 ♀.
Phygadeuon red thorax 1 ♀ cf. *sp.*

Which Nixon returns labelled "pustulosa, Galt." on 9.11.1936. AWS.

Very many *Proctos*: - P.T.O. 35 seen.

on 16.7.1936. Had 1 = *A. lineator* ♀

25.9.35 cont. Shade of Saggart, 24. cont.
Rector: -

29th Sept 1935. A fine morning, but wind (SE) very
about 11 AM. brought up a depression in afternoon and cloud
+ rain + fell 4 to 6 inches. Many small insects at
shelter + nearly all taken with the netting for grass etc.
too wet to sweep after recent heavy rain.
Shade of Saggart, 10 Dec., 11.30 till 3.0 PM.
(as on previous Wed. afternoon!)

Vespa vulgaris 2) ♀♀ seen, but no other aculeates.

Myrmica scabrinodis winged ♀ swept, kept + mounted!

Pezomachus 1 ♀. *P. phyllon* 2 ♀♀

Eptenura pygmaea 2 ♀♀. *Leucophaea* 2 ♂♂. *S. rufus* 1 ♂.

Stelisma papula 3 ♂♂ (small)

Euclyptus 1 ♂ small.

Euclyptus 3 ♂♂ pinned

Microcryptus ruficornis 1 ♀

Cryptus 1 ♂

Cryptus 3 ♀♀

Some taken this day dated 25.9.35 by error! 24/9

29.9.35. cont. Shade of Saggart, 24. cont.

Eptenura pygmaea 1 ♀. *L. ph.* 2 ♂♂. See below under *H. phyllon*. *L. phyllon* 1 ♂ (small)

Pezomachus 1 ♀. *P. phyllon* 1 ♂. *P. phyllon* 1 ♂. *P. phyllon* 1 ♂.

Hemiteles spp. 1 ♂ (small) + 1 ♀ (small), 1 ♂ (small) + 1 ♀ (small), 1 ♂ (small) + 1 ♀ (small).

1 *Hemiteles* ♂ of *H. phyllon*, same as taken on 25.9.35. 1 ♂ large and 1 ♂ small.

H. ph. 3 ♀♀, none but 1 ♂ + *Hemiteles* (small); also several *phyllon*!

Leucophaea ruficornis 1 ♂, also 1 ♀ + another ♀ not kept.

L. phyllon 1 ♀, not kept. *L. ruficornis* 1 ♂, not kept.

Pezomachus 1 ♂ + 1 ♀, not kept.

Hemiteles 1 ♂ + 1 ♀, not kept. 1 ♂, not kept. 1 ♂, not kept.

Stelisma 1 ♂ + 1 ♀. *S. ph.* 1 ♂ + 1 ♀, not kept.

S. ph. 1 ♂ + 1 ♀. *S. rufus* 2 ♀♀. *S. phyllon* 1 ♂. *S. ruficornis* 1 ♂.

Orthocentrus 1 ♂. *S. phyllon* 2 ♀♀.

Leucophaea 1 ♂ + 1 ♀ (small) + 1 ♂ (small) + 1 ♀ (small).

Microcryptus 1 ♂. *Microcryptus* 1 ♂. *Microcryptus* 1 ♂. *Microcryptus* 1 ♂.

Phaenocarpa + *Phaenocarpa* 1 ♂ (small).

29th Sept. 1935 cont. - Dade of Laggart, Du. cont.

Colletes brevis 1 small ♀

Halictus pilator 6 ♀♀ taken at one very reddish patch of coarse daisy, & ♂ seen to escape: ~~11/12~~
In afternoon 14/15, 1935.

Blacus ambulator? 2 ♀♀ with short wings & fusca, antebasal line & femora & also a ♂, like *rupestris*, but wings rather short: ? the same species: both have macrochaetae! *B. brevis*? 2 ♂♂ *B. rupestris*? 1 ♂
Opius ~~ambulator~~ 1 ♀ *O. sp. cf. pallidipes* 1 var. 1 ♂ & ♀ black, 1 ♀ var. (= *circulator*!) 1 ♀

Adelius sylvis 1 ♂♂ also a fine ♀, with 34-jointed antennae
G. flaviventris 1 ♂.

Dacnusa lateralis? 1 ♀ *D. adducta* 1 ♀

D. areolaris very abundant & abundant all ♀♀

Gyrocampa affinis 1 very small ♀, with 21-jointed antennae.

Aspilota ~~var. brevis~~ with 10 & 12 ♀♀. *G. sp. cf. radiata* 1 ♂ 2 ♂♂.

G. sp.? 2 ♀♀ with long antennae (23 & 24-jointed). *G. sp. cf. 4-5*? 2 ♂♂. 24 & 25-jointed.

G. sp.? 1 ♀, like them in line above, but antennae thicker & blacker. shorter: cf. *crucians* Hal.

G. sp.? 1 ♀ large head, 19-jointed antennae, short thorax. *G. sp. cf. 4-5*? 1 ♀

Praon volucre 1 ♀ *Aphidius* sp. 1 ♂

Praon

6th Oct 1935 A fine day, 14th Sept in rain, after small shower with, but spoiled by strong N.E. wind off the sea.

Coast for 1 mile N of Ballinaghy, Co. Du. 10.30 till 2.0 PM.

All insects collected in dune or along sheltered side of field -
Ledges between railway & the sea, mostly along N. side of field of turfs & mangroves.

Bombus agrorum 1, heartily fresh ♀ on Red Clover flowers.

Halictus rubicundus a fresh ♀ on *Brachidium* along sheltered cliff path between my station & life boat house.

Vespa vulgaris ♂ & ♀ seen

Phaenocarpa? 1 black ♂. *Hemiteles areator* group, 1 ♂ (recorded)

Cryptus 2 ♂♂, 1 ♀ (fresh)

Cryptus 1 ♂ (fresh)

Microgaster? 1 ♂ (fresh)

Lissonota subphoenicea? 1 ♀. *Pimpla brevicornis*? 1 ♂ (recorded)

Stenomacrus (*pallipes* Hal.) 1 ♂

Theridion (*Lagotis*) *debilis*? 5 ♂♂, taken along edge of field.

12.10.33 cont. Glencairn, Co. WI. cont.

Psyllis aeneus ? 1♀

Melanus fragilis (Wesm.) Marshall 1♀

Blacus ruficornis 1♀. *B. humilis* 1♀.

Diapars clavicornis 1♂.

Opisus apertus ? 1♂. *Adelius ruficornis* 1♀. *A. ruficornis* 1♀.

Phaenocarpa pinnicornis 2♀♀. *Ph. confusalis*

Aspilota sp. 4th 3? 2♀♀. 1♀

A. sp. 4th 5? 2♀♀.

A. areolaris var. *caudata*? 1♀.

Pentapleura angustula 2♀♀.

Zaenusa longicauda 1♂, 2♀♀, male. 2 *Z. areolaris* 1♀, 1♂. Nixon 13/1/37.

Z. areolaris sp. 1♀ with red sternal: 1♀ = "*lestes Nixon*" fide Nixon 13/1/1937.

Z. laevipennis Th. ✓ 1 very small ♀: Nixon agree, 13.1.37.

Aphidius 1♂.

Proctos.

Chalcids.

Cynipids.

16th Oct 1935. A very fine day, but a drizzle about sunrise left everything dripping & so could not move the net to sweep. All insects taken on hill before 10 AM.

Slade of Lough, Co. Du. 2.30.4.30 PM.

Aphidius frequent 1 found ♀ on ragwort flowers.

Myrmica ruginodis 1 winged ♀.

Stelisma pycnops? 7.10.14. *Leptocryptus* ? 1♂. *Stelisma* with hair ♀.

Hebichne? 3.11.28♀? =

Cryptus 1♀, 1♂.

Hypocnemus crassicornis 1♂, many others on bank here &

looking very like a black *Phygadeuon*!

Orthocentrus rubicinctus? 1♂, 1♀. *O. sp.*? 1♂.

Stenomacrus morio 1♂.

Promethes dorsalis? 1♂.

Pimpla turionellae or *harmoniae*? 1♀.

Plectiscus red abd. 1♀. *Aperileptus* 1♀.

Melanus fragilis 1♀. *M. pilator* 1♀.

Phaenocarpa pinnicornis 1 very small ♀. *Ph. confusalis* 4♀♀.

Pentapleura humilis 1♀. *Gyracampa* *Wesm.*? 1♀.

Aspilota sp. 4th 3? 3♀♀, 2♀♀. *A.* sp. 4th 5? 1♀.

A. (Synaldis) longicauda with 1♀?

Proctos 6 *Diapars*?

Cynipids 0.0.♀

17th Oct 1935
Aphidius areolaris 1♀
(small) 1♀. on 7.11.37
Nixon
1♀.

19/10/35 Oct 1935

20th Oct 1935. A cold day, with light rain & strong N.W. wind, after several days of heavy rain.
Phoenix Park, Co. Dub. 10 till 12.30 P.M. [D. Nixon 41]

6 specimens taken by sweeping, etc., along western boundary of Park, beyond the Ferry Glen, where one *Aspilota* taken.
 → All labelled Ferry Glen
Co. Dub. 20.10.35.

Vespa vulgaris ♀♀, abundant at every sweeping, & seen flying about after each severe rain & a mild cold morning.

Hemiteles sp. small 1♀. *H.* sp. large 1♀.

Aspilota? 1 black ♂. *Pimpla depurata* first.

Colastes braconius 1♀.

Apanteles laticinctus? 1♀. *Ap.* ^{1 minute ♂} *callosus*? 1 ♂.

Blacus laticinctus? 1♀. *B.* *pygmaeus*? 1 minute small.

Phaenocarpa confusator 3 small ♀♀.

Aspilota nigrescens var. 1 ♂.

Macromesochorus *sticticus* ♂, found ^{Nixon agrees! 13.1.37.} swept off rattle & seen with legs.
Proctos 2.

Chalcids 4.

19th Oct. 1935. A ♀ *Blacus laticinctus*? taken on kitchen window by George, 14 Clarendon Rd., Harold's Cross, Dublin.

23rd Oct 1935. Mild, but heavy rain & squalls & the deep mist of afternoon, after more heavy rain & squalls.

Slacks of Lifford, Co. Dub. 20 till 4.30 P.M.

All insects taken with me from under side of leaves of laurel, elm, oak, etc. The only hymenoptera seen flying were those of *Phaenocarpa confusator*?

Stilpnus pygmaeus? ♂♂ & ♀♀, frequent.

Orthocentrus pallidus? 1♀, small.

Phaenocarpa confusator 3 seen on one card: common.

Diaparsus 1♀.

Colastes braconius 2♀♀.

Metacoelus maculatus? 1♀, but looks larger than described.

Alysia manducator 1♀, small.

Aspilota "sp. 4-3"? 1♀.

A. "sp. 4-5"? 2♀♀.

Proctos 3 =

Chalcid 1♀, longish looking.

[24th Oct 35. A ♀ *Blacus laticinctus*? seen on my window in morning, Dublin.]

6th Nov. 1935. A bright, sunny, cold day after much
bad weather, rain & storms.

Slade of Sappart, Co. Linc. in light 2-30 till 4.15 PM.
All insects taken with sucker or fingers: many on branch leaves.

Vespa (no doubt vulgaris) ♀♀ seen: also many of very
fleshy seen from trees near Thymophages.

- Cratichneumon ruficornis 2? 1♀
- Chorebus fulvipes 1♀. Epilochus pygmaeus 1♀, small.
- Rhyssalus? 2? 1♂, 1♀. St? 2? 1♂.
- Cremastus atricapillus 1♀.
- Pezomachus 4 kinds: black, red & 2♀, of various sizes, but? all on 1st (at 12 noon!)
- Helictes? 3♀♀ of 2 sps.?
- Stilpnus papilio? 2♂♂, 2♀♀ common (1 with narrow cord!). Exolyta 11 kinds.
- Pimpla or dentata 1♀ on branch. P. communis? 1♀ on branch.
- Lissonota variabilis 1♀ on branch.
- Orthocentrus radialis? 1♀.
- Stenomacrus fortipennis? 1♀.
- S. cf. collida? 1 small ♀.
- Mesoleius 1♀ on branch.

Plectiscus communis? 1♂, 1♀. P. cf.? 2♀♀
Helictes 1♀. Apanteles 1♀.
Gnathopneuste? 1♀, about 1/2 in = Anisota varicosa "AVS 9/2/26."

6/11/35 cont. Slade of Sappart, Linc. cont

- Colletes braconum 2♀♀.
- Rhyssalus of red flowers 1♀.
- Meteorus filator 1♀. Z. patulicornis 1♂.
- Blacus tricolor? 1♂. B. humilis? 1♂.

Dacnusa ^{longicauda} ~~arvensis~~ 9♀♀ frequent on 1st, under broad leaves. two of former only kept! AVS. 9/2/26.
Z. adducta, 1 small ♀.
Aspilota fuscicornis? 1♂, 1♀.
A. (Synaldis) concolor? 1♀.

Proctos - 4 + 14 Phaeogenes.

Cynipids 2 sps. one of which has the wings filled with a couple of small, white, dots.
This sp. even finer I have not seen.

Leptocryptus claviger 1 ♀

Callinectes - protuberans 4 ♀♀. Ten large too my small but easily known by the deep transverse depression on each side of the sn. apex by a sharp angle: not in next species.

O. rediculus 1 ♀

Amilanta clausus Bo. ? 19.

16th Nov 1935. A clear, sunny day, with a few clouds in the morning, but clearing away after a frosty night. A cold day, but not so cold as the previous day.

Glenasmole, Co. Du. 2.45 till 4.15 PM.

Worked the side of the river, but in spite of beating & sweeping saw no Hymenoptera. [Should have tried W. side! AWS. 1936.]

17th Nov 1935. A fine, sunny morning, after a few days of intermittent frost, but afternoon spoiled by a cold & damp fog.

Slade of Saggart, Co. Du. 12.30 till 3.0 PM.

For most of the morning I was in the garden with a net.

Vespa vulgaris ♀♀ very common here [I also saw one at the Slade.]

Stenomacrus ventralis 2♀♀ (only one kept: a very dark specimen).

Orthocentrus 2♂♂ 1♂ seen off the top of the hill.

Phaenocarpa 1♀

Pezomachus 1♂ seen in a bush in the garden.

Aspilota 1♂, of the fulvipes group.

Proctos 1♀

Chalcids 1 - large 1; small 2.

Trypids, with folded wings, frequent under Laurel here. 1 kept.

24th November 1935. A most perfect day after a keen frosty night. A breath of wind & very hot sun. Rode to Blessington, the up hilly to Ballyvaughan Bridge & via Killybegs & Booter, back to Slade of Saggart, without being dismounted from cycle! Left home 10.30 AM & reached the Slade at 1.0 PM.

Slade of Saggart, Co. Du. 1.0 till 3.30 PM.

Vespa vulgaris ♀♀ several

Hemiteles 2 small specimens ♀♀. *Stilpnus ruficornis* 1♂♂

Pimpla depunctator 1♀ (this is my old idea of *immaculata*!) (not with head like labelled on 10/10/36. AWS)

Stenomacrus ventralis 2♂♂ frequent (1 kept) but no ♀ taken.

Orthocentrus 2♂♂ 1♀ (1) with yellow marked face & very beautiful head. 2♂♂ other seen of the ♀ taken on 17.11.35. Different specimen - *Schmidtknechtli* kept! AWS 10/10/36.

O. protuberans 2♀♀, one of which is small.

Phaenocarpa smaller 1♂, 1♀ (1 kept).

P. laevis 1♂.

Aspilota 1♂, long antennae (2 seen off 2.11.35)

Colastes braconius ♀♀ (1 kept).

Aspilota n. sp. 1♀, long antennae, cf. 2♀♀ taken on 29/9/35 in same locality.

Dacnusa areolaris several ♀♀ (1 kept).

Proctos 3 *Phaenocarpa* ♀♀

Chalcids 1 tiny specimen in grass stem: interesting looking.

December 1935.

Except *Vespa vulgaris* ♀♀ no hymenoptera seen after 24th Nov. though I went again to Slacks of Lough on several occasions. Weather very wet for 1st half of December, but was seen at ring until 15th, when on that day, my fifty-second birthday, I saw several & took one ♀ at ring in wall, where the river road runs along the Liffey just below Luttrellstown gate lodge, between Knocknacree & Lucan, Co. Du.

Following this I got a week before Xmas. There was a terrific frost, the canals & even the edge of the sea being frozen over for several days, but mild again by Xmas day & not till end of month.

To follow p. 101

30th August 1935. A fine day, warm, but very windy (S.W.).

In afternoon went with J. F. Perkins & John Brown to Glenasmole, Co. Du.

All insects swept at S.E. corner of lower reservoir & below the dam, about marsh or under trees at foot of scrub: many Braconids given me by J. F. P. & these all labelled with his initials, & in return gave him most of the Ichneumon I took:—

Stenichneumon castaneus var? 1 ♀.

Phaenocarpa picipes? 1 ♀.

Cryptid 1 ♀ =

" 1 ♂ =

Pimpla exanimata? 1 small ♂

Pogonocherus 2 ♀♀.

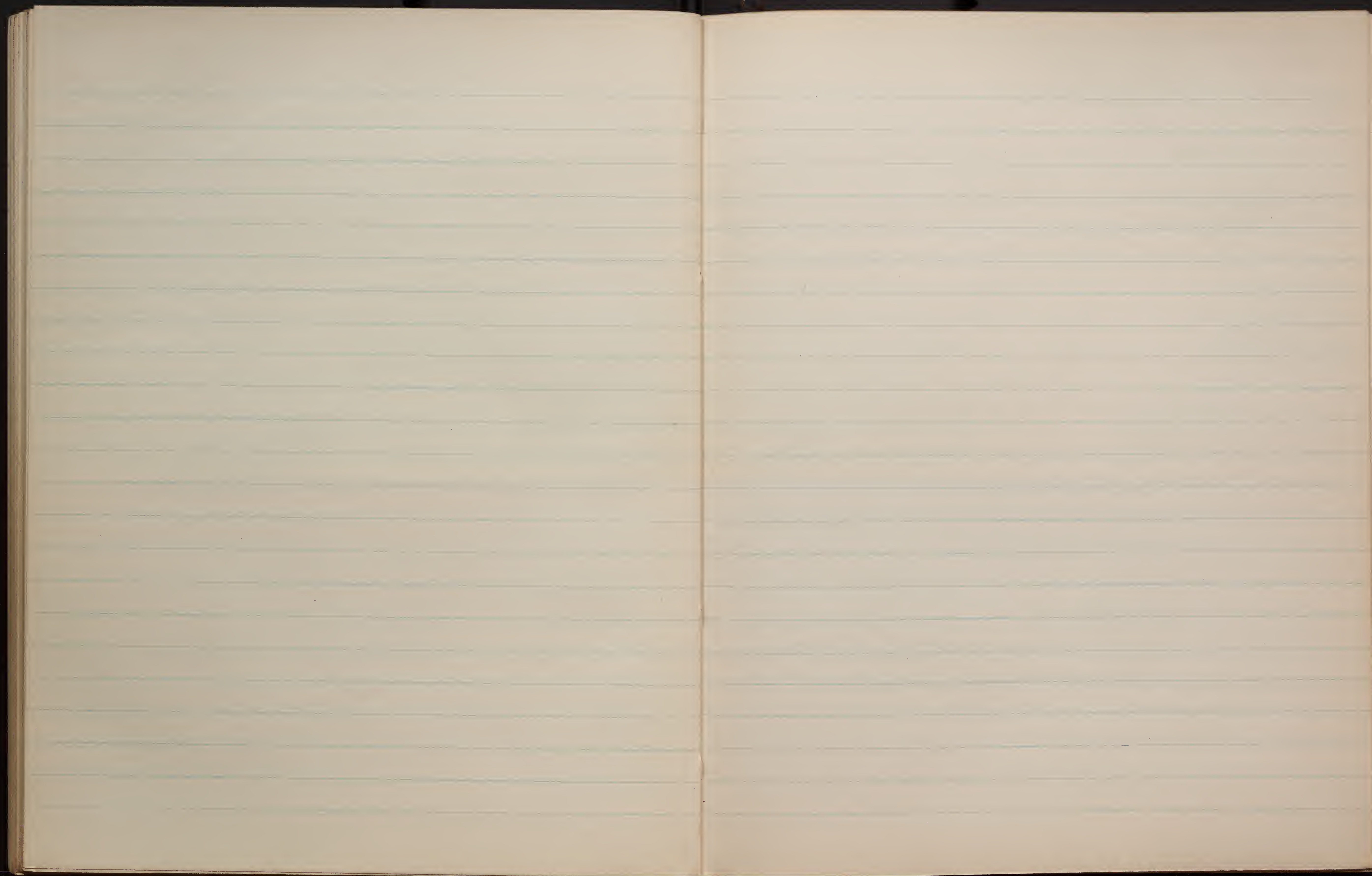
Homilidius 2 ♂♂ (banded) = 2 ♀♀.

Orthocentrus 2 ♂♂ (banded) = *O. rubellus* or *pubescens*? & "Sten. incisus" Grav.

Phaenocarpa small ♀, long terebra, =

Chalcid with petiolate clypeus

Praon 2.



22nd March 1936 [cont.]

Ten ♀♀ of *Seleneus laticinctus*, one macropterous, the other 9 are
mean, taken in same tuft of grass at D. Acre,
Clontarf, Co. Du. by F. O'Mahony.

29th March 1936. A fine warm sunny day spoiled
by strong SW wind, with frequent gusts reaching
almost gale force, so that no insects could
fly except in a few sheltered spots.

Glenasmole, Co. Du. 11.30 till 3.0 P.M.

Combs E. of town resemble as before.

Bombus terrestris 1♂ searching in scrub.

B. lucorum 1♂ searching in 3rd comb.

Andrena clarkella ♂♂ frequent in many places.

1 several ♀♀ on ♀ willow ^{between 2nd} & 3rd comb.

A. apicata a few ♂♂ only seen.

A. gurgane a few ♂♂ only seen.

Nomada leucophaea 1♂ on dandelion - 2nd comb.

Ammaenotus viduus 1♂ swept (off willow) between
2nd & 3rd comb.

Euclyptus large sp. ♂♂ frequent.

Peacock & Tortoiseshell Butterflies seen.

Larva of *avinea* out in nets, there were on 22nd.

5th April 1936. All sunny, with keen E wind: very
hot in shelter, but few insects out.

Combs on E. side of Lower Reservoir, Glenasmole, Co. Du.,
as usual.
11.30 till 2.0 P.M.

Bombus terrestris 1♂ & *B. lucorum*, many ♀♀ latter.

B. jonellus 2 ♀♀ at Salix.

Andrena gurgane ♂♂ common, a few ♀♀.

A. apicata ♂♂ frequent in parts, a few ♀♀ seen at nesting
sites & no ♀♀ seen till late afternoon 2 seen at Salix.

A. clarkella a few ♂♂ playing about, a few ♀♀ at Salix.

Nomada leucophaea ♀♀ common at "the banks" & ♂♂
playing about several places in shelter & slightly
on dead grass, &c.

[No *Halicti* seen all day]

Salix fusca several ♂♂ & 1 ♀.

Dolerus ingens 2 ♂♂ at head of small grassy combs.

Ammaenotus viduus? 2 ♂♂ at Salix in "Salix gladi."

Theridion 2 spp. ^{not seen} as usual at Salix, but ♀♀ more common
than usual & out of four taken at random 3 were ♀♀.

Euclyptus large sp. 1 ♂.

8th April 1936 The fourth fine sunny day in succession
but sun obscured just after reached the collecting
ground at 2.30 & all but Bumble seen in bed.
Coomb. E. of Lower Reservoir, Glencasmole, Co. Du.
in type

Bombus terrestris, at least *lapidarius* ♀♀ seen.

B. lucorum ♀♀ common. *B. jonellus* several ♀♀

B. agrorum 1 pair ♀ seen & probably another.

Andrena pygmaea several ♂♂. *A. albicans* 2 or 3 ♂♂

A. clarkella a few ♀♀ working at Salix ♂. } out.

A. episcopa also a ♀♀ seen at Salix.

[No *Halictus* seen.]

Nomada leucophaea ♂♂ & ♀♀ at small bank above dam
& a few seen in coombs before sun obscured.

Salix fusca several ♂♂ seen

[No *Anthophora* or *Diaprosus* seen at Salix.]

Bombus cupellator (1♀?), seen but missed, searching
at long grass near head of 2nd coomb. I have no
doubt about the species & think it was a ♀.

Blackthorn out (since 5th) in many places.

Any taken
sent to
Zimmerman
of Boston!
None kept.

10th April 1936 (Good Friday). An almost perfect
day, actually sunny, but wind still E & air very keen
so that insects remained shy. 10.30 AM till 4.30 PM.

Glencasmole, to top of upper reservoir, Co. Du.

1 = E. side of upper reservoir & mainly by the R. Dodder
at head of same

2 = Coombs on E. side of lower reservoir, as usual.

Bombus lucorum ♀♀ very common. *B. terrestris* a few ♀♀.

B. jonellus ♀♀ frequent. *B. lapidarius* 1♀, at 2nd Salix.

B. agrorum 3 or 4 ♀♀ seen

Psithyrus distinctus 1♀, searching, by reservoir at 1.

[Reported from Co. Car. by R.C. Farin the previous week.]

Andrena clarkella a few ♀♀ on Salix; *A. episcopa* several ♀♀

on Salix, but no ♂♂ of either species seen all day: at 2

A. pygmaea ♂♂ & ♀♀, but not plentiful: at 1 & 2

A. albicans ♂♂ at 1 & 2; 1♀ at 1, searching hard.

Halictus rubicundus several ♀♀ seen at 2.

H. fuscicornis ♀♀ frequent at 1 & 2.

Nomada leucophaea ♂♂ & ♀♀ common at 2.

Salix fusca ♂♂ common & a few ♀♀, at 1 & 2.

14/4

10.4.36 cont. Glencuala, Co. Dub. cont.
Goluma myrtilis 1 ♂ in 'Salix gladi'.
Anaemone *vidua* 1 ♀ in 'Salix gladi'.
 as on 5th inst.

Ichneumon *lygus*? 1 ♀ seen, almost certainly this species.
Hemiteles 1 ♀ - ^{See J.F.C. list 2.4.42.} swept: red abd.; 'bold spot' in front of mesonotum!
Theridion sp. 2, small abundant at some willows (mainly
 at willows on trees going out of bloom): ♀♀ much
 more common than ♂♂: 7 ♀♀ etc. on 1 cord.

Pair of Liskin in pine plantation by upper reservoir
 in morning & in larch plantation below the - after,
 the cock bird singing vigorously & I approached, but
 silent after I passed under him!

Still no Swallows!

17th April 1936. A fine cold day, mainly sunny, with a few
 -kiffs of 'snow'. With Rev Gress & his son Noel from Ballyard,
 'Foot of Glencullen, Enniskerry, Co. WI. Insects out!
 Spent most time showing the Gresss *Clavicornia laminata*, but
 also saw *Bombus lucorum* & *terrestris*. *Andrena clarkella* &
 & *A. albicans* ♂♂. *Nomada leucophaea*, small, dark ♀.

17/4/36 P.M. Collected (E.O. Mearns) on this date in St. Ann's, Glencuala, Co. Dub.
Epitoma pygmaea 1 ♀. *Dacnusa areolaris* 1 ♂. *Aspilota* (*Synaldis*) *remipes* 1 ♂. Also one
 small Ichneumon? & *Theridion*?

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19th April 1936. A poor day, after a glorious
 early morning, with cold N wind & drizzle after 2.30 PM.
 followed by heavy rain (some on mountains) during the
 night. Insects just going to bed as I arrived!
 Boomb, ♂, E of lower reservoir (after rain),
 Glencuala, Co. Dublin 11.30 AM. No rain at 2.30 PM.

Bombus terrestris several ♀♀. ♂♂ common. ♀♀ abundant
 & some gathering pollen.

B. jonellus several ♀♀ & one gathering pollen.

Penthyne distinctus 1 small ♀.

Andrena clarkella a few ♀♀ working.

A. albicans, 1 ♂ & about 2 p.m. during last hour
 of sun, quite fresh, at least in 3rd cord,
 several ♀♀ seen on *Salix*.

A. albicans ♂♂ seen. *A. geynana* ♀♀ seen.

Halictus interpres 1 ♀ seen.

Salix purpurea ♂♂ common.

[No swallows seen!] [No ticks or Braconids seen!]

[Still no Swallows!]

Liskin again heard singing in the pines & therefore
 I think more than one pair about!

20th April 1936. A bright sunny day, but with cold N wind, after a very wet night. Hills all freshly covered with snow. Left Kingsbridge by 9.30 AM train for Portlinton, with bicycle, & then rode to Emo Park, where spent some hours in old gravel pit & on logs at N.E. corner of the old demesne. Gravel pit^① & log^②, N.E. of Emo Park, Co. QC.

11.30 till 3.0 PM.

Bombus lucorum ♀♀ common at 2

B. terrestris several ♀♀ at 2.

Andrena nigroparva ♂♂ abundant & two ♀♀, all fresh, at 1.

A. praecox 10♂ at 2, flying over heather &c.

A. albicans a few ♂♂ at 1. *A. minutula* 1♂ each at 1 & 2.

[*A. pygmaea* ♀♀ on *Taraxacum* by road near Portlinton]

Habitus rubicundus ♀♀ at 1. *H. pygmaea* 2♂♂ at 1.

[*H. calceolus* 1♂ by road from Portlinton!]

Sphindus divinus 1♂ at 1.

Nomada lineifrons 1♂ at 2; 1♂ at 1, with all red mentellum.

N. fabriciana 1 fine ♀ at 1, others seen.

Salix fusca ♂♂ at 1 & 1♂ also seen.

Xylocopa julia ♀♀, about 15 or 20, swept off male Sallows bushes just past their best flowering, at 2. None taken at 1 & bushes!

Theridion? several ♂♂ & ♀♀ at 2.

[Still no Swallows!]

22.4.1936. E. O'Mahony collected a brown possible variety of *Mallotus* in St. Anne's, Clontarf, Co. Du. from which emerged on 8.5.36 a ♂ *M. fusca* - 1♂.

26th April 1936. A poor day, with drizzle, hail (more on hills!) & showers at frequent intervals & even though hot sun bursts between showers, practically no insects out.

Slade of Laggart, Co. Du. 11.5.36 2.30 PM. One *Exochus* & one *Exochus* seen between 11.5.36 & 11.6.36.

23/4/36. E. O'Mahony brought me 4 insects from St. Anne's Clontarf, Co. Du. = *Hoplomachus* *hypoleuca* 1♂, swept; *Hemiteles*? 1♂, one *Exochus* & *Exochus* (*Exochus*) *concolor* 1♂.

1 on same date. E. Ryan sent me two wasps from Glenageary, Co. Du. = *Dolichus ruficornis*, 2♂♂ (one seen) 1♂ & *Polyblastus* *clavicornis* 1♂.

Kilkenny Trip. 30th April - 4th May 1936.

To look up *Andrena fulva* again, but everything very late & none seen. Also *A. wilkella* not out & even *A. jacobae* very rare & only one ♀ seen, late in morning of the 4th May. Anti-cyclonic weather, bright days but on 2nd, 3rd & 4th fierce & cold E-SE wind which kept all insects shy.

Swallows met at Athy on journey on 30th; Swifts at 8 AM in Kilkenny on 1st, *Corvus* & 2 more later. *Corvus*, or afternoon of 2nd, S. of Kilkenny; Sedge Warbler on 2nd; Whitethroat & House Martin on 3rd, all near Kilkenny.

Friday, 1st May 1936. Afternoon.

2.30 - 6.0 P.M. Sunny & calm.

Worked the Black Quarry (where R.A. Phillips took one of *Andrena fulva* on 1.5.1925!) & for a mile below quarry, on right bank of R. New below Kilkenny Castle, Co. KK.

Bombus lucorum, *terrestris*, *terrestris*, *agrorum* ♀♀ seen.
Andrena albicans ♂♂ & ♀♀, *A. picta* ♂♂ & *A. ruficornis* ♂♂

Halictus rubicundus, *calceatus*, *alpinus*, *nitidus* ♀♀.

[*H. tenebris* & *lucorum* ♀♀ ? also seen here]

Sphacodes divinus ♀♀ seen.

Homocidus bipida, *maroccanus* & *prodenianus* seen.

Dolichopus aeneus ♂♂ & ♀♀ by river.

Parthenocentrus albiventris ? 1 ♂ by 'canal'.

Leptocryptus ? red ♀.

Cryptus ♂.

Homocidus cinerascens 2 ♂♂ at Lymington - quarry

H. elegans ♂, 1 ♂ at Lymington outside quarry

Theridion ♂♂ ? 3 ♂♂, 2 ♀♀ (No. 100, 102, 103, 104)

Mesochorus ♂ 1 ♂.

Sigalphus ? 1 ♂.

Gyrinus ♂, 1 ♂ by 'canal'.

Sat. 2nd May 1936. Sunny, but very windy (S.E.-E).

Left Kilkenny at 10.45 AM & rode to Strappford, then to Hugginstown, then by old road west & south of "Hill 509" to main road from Waterford & back via Ballyhole to Thomastown, where caught the 5.0 train for KK.

Attempted collecting various places, but strong & cold wind made this almost impossible.

Halictus punctatissimus 1 ♂ on *Trifolium* on edge of marsh S. of Hugginstown.

H. pygmaeus 1 ♂ reportedly seen entering flower of *Primula* by railway S.E. of latter.

Sunday 3rd May 1936.

A.M. 10.30 till 2.0 P.M. Rode to Bunnell Bridge
on right bank of R. Nore & returned by left bank,
but wind too cold & strong for insects.

All Co. KK.

Vespa germanica several ♀♀ in field by ry. near Mullachstown
V. vulgaris 1 ♀ in hotel at Kilkenny.

[Bees: same species as commonly seen on previous day]
Carpenter bees 2 or 3 swept

3.5-36 P.M. 3.0 till 7.0 P.M.

Rode via "Sizel's Lough" to the "Glens of Ballyfife"
(= Ballyfife of Old Map) by circuitous route, turned
for home near the bars of Dunmore. All Co. KK.
Wind too strong & cold to collect.

Nothing collected & only a few common bees seen.

[Collected by E. O'Mahony in St. Anne's, Clontarf, Co. Du. 3/5/1936.

Apanteles 1 ♀ & 3 wasps =

Chalcidius infuscator 1 ♂. *Mesochorus pallens* ? 1 ♀

1 ♂ & 2 ♀ not to Bunnell

for name
1 = *Pachynematus obductus* ♀
fide Benson 1937!
miss

Monday 4th May 1936. Sunny, but wind strong & cold.

A.M. 10.30 till 1.30. Ry., fields & quarry,

S. of Kilkenny, as on 30th April, Co. KK.

[Bees seen off. in seen on 1st]

Vespa germanica several ♀♀ seen in open fields.

V. vulgaris 1 ♀.

Sphex affinis? 1 ♀ seen: only one seen on trip!

Andrena grisea 1 ♀, the first seen 1936, at about 1 P.M.

Solenus aeneus & *nigratus* 2 or 3 ♀♀, rare.

Cryptids. 3 nice red ♂♂, with pronounced dorsal segments of abd.

Also 1 nice dull red ♂! Head ♂, curled.

Theridion 1 ♀.

Campoplex 1 ♀.

Scalptus 1 ♂ swept at hedge in field: no doubt common.

Exochus 1 ♀.

Dacnusa areolaris? = sp.? seen 1935 = *D. glabra* Nixon in K.K. dated 20.8.1943!

6 fine black-legged ♂♂ swept off field of stubble

from flowers & grass, by accident, when catching an *Halictus*.

No more taken though similar places swept round about.

taken in quarry W. of railway, by stream, just N. of ry. junction.

D. areolaris 3 ♂♂ swept on edge of field: 1 was with dark legs

seen 1937, though very like *areolaris* from appearance.

4.5.36 afternoon. 2.30 till 4.0 PM.
 The Black Quarry, S. of Kilkenny birth, C. KK.

Nothing new seen & nothing collected!

Left Kilkenny by 5.30 PM train for Dublin!

9th May 1936. 7-8 p.m. Very hot sunny day!
 Garden, 14 Clareville Rd., Harold's Cross, DU.

1st ich seen in garden during year: ♂ of a
 species of Campoplegid with banded hind tibiae
 (Halt. & Mith.!), not kept, probably *Agathis* or *Onychus*!

Andrena grisea ♂♂ & several small ♀♀, seen for
 first time in garden this year.

Halictus leucopus, numerous ♀♀ on wall, probably from
 burrows in the mortar.

Bombus lucorum 1 ♀ seen. *B. agrorum* ♀ seen.

Vespa vulgaris several ♀♀ seen.

[*Bombus jonellus* ♀ seen in garden on 1st inst. the
 evening of 5th May, first at flowers of Black currant
 & then at Mediterranean Heath]

10th May 1936. Very hot, very sunny, faint
 E. breeze: many insects out.

Glenasmole, Co. DU. 11 till 5 p.m.

Worked woods &c, E. of lower reservoir & near by
 road below dam.

Bombus terrestris 1 ♀ only noted. *B. lucorum* ♀♀ common.

B. agrorum a few ♀♀. *B. minor* also a few ♀♀.

B. jonellus 1 ♀ (1st ♀ seen 1936) seen at larch.

Pentapleura distinctus ♀♀ frequent.

Andrena clarkella, several small ♂♂ & ♀♀ still out.

A. cineraria ♂♂ & ♀♀ playing about at 4.30 PM.

A. albicans & *grisea* seen, but only ♂♂ of latter.

Halictus rubicundus & other species seen.

Sphex *nitidus* 1 very small ♀ swimming on pond.

Homocidus leucophaea at least 1 ♀ seen.

H. bipida & *monticola* common.

Salix fusca ♀♀ common.

Vespa ruficornis ♀ gathering fibre on dead *Aspl. adnigrum*

V. rufa & *vulgaris* ♀♀ both very common.

Dolerus fuscicornis ♂♂ only.

D. nigricornis, *D. fuscicornis* ♂♂ only.

Edusa ruficornis ♂♂ only.

Althia cordata ♀ (seen for 1st time this year).

10.5.36 cont. Glensmole, Du. cont.

Rhopartha ancyra 107.

Empria 107.

Pontania leucosticta? 100 at Sals.

Lycopodium lucidulum 2000 } one thick, thick at
land, others thin!

Blennius ? / *Lucina* ? 19

Cryptus 500, 19.

Pimpla terminata? 2000. B. of *P. terminata* with blackish
P. punctata sp. on Sals (not diff.).

Rhyssa peronassini about a dozen small ones flying
to park above E. end of town dam at 5 p.m.

Chrysomelids 1

Cochylis pumilio 1 at land below dam

Red hawthorn? 10, 19 in Hawthorn about 100 ft.

10.5.36 cont. Glensmole, Du. cont.

Coryphocera fragant: 2000, 19.

Thysanotus 19.

Gen. et sp.? 100 *Stenocid.* ? *Cantharis*.

Carion 100 abundant, 19.

Diplophus sp. 100

Pontania pumilio? 100.

Dacnusa areolaris? 1 large 19.

Puck 1

[Collected on 10/5/36 at St. Ann's, Clontarf, Co. Du. by E. Connelley.

Cryptus 100.

Cryptus 100.

Apanteles 19 seen sp. on 10/5/36.

[10.5.36. First *Pteronidea rubra* seen in garden, 10p

Clonsilla Rd. Du., at 10 A.M.]

11th May 1936. Garden, Clonsilla Rd., Du.

Oncophanes? 100, some seen on 9.5.36

Microgaster 100

Thysanotus 100

13th May 1936. Another mild afternoon with southerly
SE & SW wind, almost drizzle, some shift of rain, warm.
Golden Hill, Blessington district, Co. WI. 4.0 till 5.0 PM.

Spent the entire time beating the larch plantation on
E. side of the summit as on 1.5.35 & other occasions.

Andrena jacobae 10.

Dolerus aeneus 10, about half a dozen ♀♀, none kept.

[*D. ligatus* - none seen on this occasion!]

Lygaeus lineator 10, 2 ♀♀.

Cryptus 2.

Pimpla ruficornis ? 10.

Chrysomelids 2000.

Acrotaphus dentifer ? 10.

Helictes (a. p. 13 dentifer) 10.

Bracon epitaphus ? 10.

Homocidus ruficornis 10, 1 ♀.

Apanteles fulvipes ? 1 ♀.

Pimpla 1.

Chrysomelids 2000.
seen in 3 places here on 1.5.35, &
quite different from *C. dentifer*.

Therion 10.

14.5.36. Taken by S. O'Mahony at St. Louis,
County Co. WI.

Pteromalids 10, 1 ♀. *Phaenocarpa* 10, 1 ♀.

Cryptus 10.

Phaenocarpa 1 ♀, not preserved.

Diapriids 1.

16th May 1936.

Aspilota ruficornis ? ♀ taken in water house, Hildonville Rd.

Left at about 7 pm.

16th May 1936. Dull, with misty rain for a couple of hours after
mid day - the usual E-SW "jam".

Went by 10 AM train to Gungahlin & returned by 2.25 train,
with Nora Fisher to collect fossil shells from
Mr. Condron's gravel pit at Killinarnick, behind
Gungahlin, Co. Wicklow. On way back during rain took
two *Braconids* under leaves of beech tree at S.W. angle
of the golf links: -

Segophus "ruralis" niki. 1 ♀ of this species, seen
♂♂ are so abundant during late April & into May, &
for which I have found no name.

Bracon epitaphus ? 1 small ♂.

Bombus lucorum & *terrestris* (? *terrestris*) ♀♀ were the
only aculeates seen flying.

17th May 1936. A very sunny & beautiful day, but fresh.

Went by 11 AM bus to Rush, Co. DU. with Nora Fisher.

9 AM. 10 AM, & returned by 4.12 PM bus to Rush.

Collected on waste plots near harbour, on dunes, & along
cliffs & H. of stream & harbour: aculeates very abundant
but the only addition to list made here in June 1923 was
Andrena cineraria, of which I saw many ♂♂ near
harbour & several on dunes near cliffs. The colony

17/5/36 cont. Rush, Co. Dub. cont.
 of *Halictus rubicundus* at base of cliff seen in 1923
 still in same place & more populous than ever.

Bombus lucorum ♀♀ common. *B. terrestris* ♀♀ common.
B. lapidarius ♀♀ quite common. *B. agrorum* ♂♂ & ♀♀.
B. muscorum several ♀♀.

Andrena albicans, *pyraea*, *eximia* ♂♂ & ♀♀ common.
A. sandracilla ♂♂ very few & abundant - near bank.
A. cineraria ♂♂ only seen.

Halictus rubicundus ♀♀ in the woods.

H. rubicundus ♀♀ abundant.

H. calceata & *altipes* & other species probably seen.

Sphacelodes dimidiatus ♀ seen.

Psithyrus naevius, *luteus* & *gambelii* frequent.

M. ruficornis ♂ 1000 kept.

Thynnus ignita taken, also, out of nest of *Odynerus* in
 cliff, by Palmer.

Dolichopus *serenus* ♂♂ & ♀♀ seen & examined.

D. rufus 1000 kept seen & examined.

Panurginus ? 1000.

Schistocerca *proctori* ? 1000 kept & at top of cliff.

Diapriids *serenus* ♂♂ & ♀♀

17.5.36 cont. Rush, Co. Dub.

Hamitula ? 1000.

Trypoxylon *retrofractum* ♂♂ & ♀♀.

Pimpla *terminator* ? 1000. *P. detrita* ♂♂ ? 1000.

Homocidus *nigritarsis* ? large ♂♂ in the woods.

Campoplex *abundans* : 1000 kept (7.5.36, 19).

Stenomacrus sp. ? 1000 kept, small ♂, small.

Theridion ♂♂ abundant, some at flower of *Phlox*.

Dendroica, *gracilis*, *Shepherdii*, *serena*, ♂♂, *strobiliger* ♂♂.

At least 2 ♀♀.

17.5.36. Taken by P. O. Hickey at La. House, Clontarf, Co. Dub.

Phygadeuon *indagator* 1000, rather large. *Opus* *luteus* ? 1000.

Blacus *ruficornis* ? 1000.

Many bees on cliffs facing south on 1st point N. of London.

including: *Andrena picta*, *neglecta*, *albina*,

Heliola subincana & no doubt other species; *Monarda*
barbarea & *proserpinaca*. Also: —

Andreas Wilhelm na, my friend

Odynerus pictus 1 very fresh ♂

Chysis ignita several seen, probably a sp.

No other Lynepters seen except a few bands.

St. Anne, C. 241. 10' below
24.5.36.
Dacnusa of affinis? 1 ♀.
Euphorium 100.
Bracon ant. 100.

Ceryle alcyon 2020 in baritone

Desonema opaca ♂ with red front, small.

Polonium nigrescens 10th 1901

14th May, 1936. A hot sunny day, with some N.E. wind.
Garden at 14 Clarendon Rd., Dublin, a usual.
7-8 PM.

Cudrania javanica B. & P. f. avena

Homada nivalis 1 ♀ seen

Artison? male or a Sycamore leaf

Recto. 22. *Succisa* with last.

26th May 1936. Very hot sun all day, but a chilly N.E. wind kept insects shy except in shelter of trees.

Slade of Sappart, G. Su. 3.0 to 7.0 P.M.

Almost all insects taken by sweeping under trees & cliffs along old road; a few taken by sweeping in grass or further up glen, but in both latter local insects few & far between.

17 No aculeates looked for & few seen!

Andrena grisea 1♀. *Promethes flavipennis* 1♀.

Euphydryas pellicipes 1♀. *Amata elegans* 1♂.

Colletes rufus 1♀. *D. caesus* several. *D. rufus* 1♀.

Lodona verticillata 2♂, 1♀. *Tom. luteiventris* 1♀.

Atthya sp. seen. *Salix* seen 1♀. *caesus*.

Phryganea *fulvipes* 1♀.

Alomyia debilis 2♂♂ (1♂ seen 1935): not kept.

Atthya 1♂ (not kept). *Atthya* 2 1♂.

Hemiteles 2♂♂.

H 2: strong 4, with thick & long body, about like *Stenomacrus*.

Phryganea 2♂♂, 2♀♀.

26/5/36 cont. Slade of Sappart, G. Su. cont.

Mesoleptus ruficornis ? 2♂♂.

Orthocentrus ruficornis ? 1♀.

Perithous filicornis many ♀♀ & 1 taken.

Homocidus divinator ? 1♂, 1♀. with black ventral.

Promethes cognatus 3♂♂. *P. pulchellus* 1♂, 2♀♀. 8-10 of antennae with hyaline.

Plectiscus = *Acrobaptus dentatus* ? 4♂♂. *Habitus medianus* ? 1♂.

Plectiscus sp. 1♂, 2♀♀. *P. sp. (Hemiteles?)* (1♂, 1♀).

These clones several species, some of *Plectiscus* "assimilis".

in a scrub along bank of old road: larger species, with

much pale colour, several, 2♀♀, taken in one spot near

stream, which was flying, looked like *Phaenocarpa*.

=

Syrphoctonus 1♂.

Euclyptus *fundator* ? 2♂♂, 1♀. *Aphidius* 2♂♂.

Metacoelus 1♀. *Euphydryas* *pellicipes* ? 3♂♂.

Blacus ruficornis ? 1♂, 1♀. ? *dentatus* *Pith. (ventral)* 7 taken.

Euclyptus *retrusus* ? 1♀.

Alomyia *undulata* ? 1♂ (with antennae) taken in one spot near stream.

Dacnusa *areolaris* only 1♂.

D. gilvipes 1♀.

Aspilota off P.T.O. →

26/5/36. Lead. of Lappet, Dub. cont.

Aspilota (8+2 Synaldis). = A. atrata 107. 1♀.

Synaldis 1? 244

Ephedrus lucorum? 1♀

Penton : - fragrans = thymus 3 & 4 other groups.

Chalcid 3. Heck.

Diptera : metellus perthensis, six-spined metellus & dark thymus - wings, terred 107.

26/5/36. Millarville, Co. Dublin. E.O. Maloney.

Alysiid mandibulatus? 1♀ with straight tibiae

Phaenocarpa superciliosa? 1♂. ♂ of confusaria? 1♂.

Aspilota usitata? 1♂. Aspilota 1♀.

Phaenocarpa chitellus 1♀. Phaenocarpa tenax 1♀.

28th May 1936. A fine sunny day with S. wind.
Crabro varius 1♂ ♂, & only one seen at first in garden
14 Clareville Rd., Dub., at 5.30 P.M. The ♂ blagus
ignita already "in bud" in "bushes" at the time, & the
"sunny" it has occupied every night since first
seen.

Homocidus ornatus 1 large ♂. 1♂ seen in garden 4.26.

Larvae of Pteronidea rubra numerous & some well
advanced on the date & on 27th & 28th Parabius
noxius (its parasite!) seen for the 12th time 1936.

30th May - 11th June 1936.

Garden, 14 Clareville Rd., Dublin.

Vespa sylvatica 1♀ (1♂ ♂ Vespa seen 1936!) on 7/6.

Megachile centuncularis 1♂ seen 8/6: 1 taken on 10th.

Panurginus shuckardi 1♂ seen 9.5.36 on 10th.

Andrena villosella ♂♂ & 1♀ on Rhamnus flowers at 5.45 P.M. on 10th.

A. albicans 1♀ with last on Rhamnus.

Crabro leucostomus 1 seen (1♂) at 9 A.M. on 11th before rain.

Bethylus cephalotes 1♀ running on wall on 31/5/36.

Homocidus postulator 1♂ ♂, with light pinked - not seen before.

1♂ & yet hind tibiae almost black, except at base & distal

are dark black: quite unlike any other species I have seen.

Taken on 31st May.

12th June till 13th July, 1936: see next volume!
On 12th June we went to Belmullet, Co. Mayo W.
by rail & bus & on 22nd June by bus to
Tullaghan, Co. Leitrim, 2 miles SW. of Bundoran.
We returned to Dublin on 13th July.

All records for this period will be found in
the next volume of my diary

14th July 1936. Garden, 14 Clareville Rd., DU.
Some hot sun, but also heavy showers. Spent
day feeding snails & beetles, had time to look
for insects, but the following were seen in
back garden.

Bombus distinguendus 1 large ♀ on *Campanula* (tall
white, annual, species!) & flew to Foxglove, never
caught, taken into house & inspected, as I at
first thought it was a ♂; then released & it was gone.

B. lucorum, *agrorum* & *lapidarius*, numerous, ♀♀

[*B. jonellus*? 1 ♂ seen (or possibly a ♀ of *lucorum*) on *Hieracium*]

Megachile spp. No less than seven ♂♂ found occupying
holes in cloths in post: some *centuncularis*, some *villiphiella*.

M. villiphiella ♂♂ & ♀♀ seen: one of latter very
small & possibly *M. versicolor*.

M. centuncularis ♂ & several ♀♀: one of latter reportedly
seen at flowers of *Geranium pyrenaicum*.

14.7.36 cont. Garden, 14 Clareville Rd., DU. cont.
Crabro varius, only a few taken seen, evidently nearly over.
Chrysis ignita 1 small (? ♂) seen.
Bassus lactatorius 1 ♀ in motor house.

14.7.36. Found an ich. - *Mesoleius*

in pot in motor house in which 2 purple larvae of
sawflies, found on *Epilobium montanum* in State of Saggart, Co. DU.,
on 25th Sept. 1935: evidently bred from one of these & no
other sawfly larvae were in pot last year! A dead *Stilpnus*
subsequently found in pot. [*lineolata* ♀]

16th July 1936. 27th Oct. 1936. Fine weather.

19th July, 1936. A fine day, with strong NW wind, some drizzle
of rain, a good deal of sun, warm; after several days of
cloudy rain, with thunder.

Garden, 14 Clareville Rd., Harold's Cross, Dublin.

Bombus lucorum ♂♂ (2) seen; ♀♀. *B. lapidarius* & *agrorum* ♂♂

Pachyura barbutella 1 ♂ taken, very fresh, on 19th.

Andrena pyrenaica 1 fresh ♀, 2 ♂♂ dead, swimming slowly.

Halictus leucopus 1 ♀ on *Geranium pyrenaicum*.

Crabro varius common. *Pemphredon ruficornis* 1 ♀ seen.

Promethes pallipes 1 ♀ on post. *Epilobium* *triphyllum* 1 ♀ on ground.

Hylaeus communis 1 ♂ on post on 19th.

Chrysis ignita at least 1 ♂ seen on post at one time.

Megachile villiphiella & *centuncularis* both common.
♂♂ & ♀♀. (1 ♀ very small, ♂♂ & ♀♀ seen.)

19.7.36 cont. Garden, 14 Clareville Rd., DU. Cont.
Bombus lucorum 12 on 16th
Homocidus *ovatus* 1 ♀ examined. H. *sp.* from 16th
H. pictus 1 ♂ examined. H. ? *pictus* large from 16th
Euclyptus *cinctus* 1 ♂ at Currant bush on 16th
Metacoelus *maculatus* 1 ♀ in garden & 1 ♂ in house! on 16th
 Current-blossoming moth. *Macronoctua* *collaris* ? 1 ♂ on 16th
 Meadow Brown Butterfly seen at 3.00 (Omoia ?) 1 ♀ on 16th
 (Anagrus ?)

20th July 1936. A fine evening. 5-7 P.M.
 Garden, 14 Clareville Rd., DU. as before.
Helictes *smecteus* (1st from!) 1 ♂ & 1 ♀
 both absolutely fresh flying about *Campanula*
 at 7 P.M. Two seen in garden on the district
 type! *Vespa* *myrmecorum* 1 ♀ seen on path.
Mesoleucus at currant bush where
 many larvae of *P. vitis*!
Leucocenta 1 ♀ at currant bush where
 blossoming moth lives.
Apanteles 1 ♂

21st July 1936. A cool evening, a little sun.
 Cynipid ♂ on Black Currant bush in garden,
 14 Clareville Rd., DU., in its movements resembling
 a small sawfly.

22nd July 1936. Morning dull & threatening
 but clearing at 11th, then sun & wind.



4. 2.30-4.30 AM.
 1st from garden.
 1st from garden.
 1st from garden.

1st from garden.
 1st from garden.
 1st from garden.

1st from garden.
 1st from garden.
 1st from garden.

1st from garden.
 1st from garden.
 1st from garden.

1st from garden.
 1st from garden.
 1st from garden.

This is the *Sparganium* moth, 1st from garden.
 J.F. Perkins in litt. 5.4.1937! A.W.S.

Diptera named by H. W. Andrews (per R.C. Faris) March 1943.

1. Bred from Cent. nigra heads: Lixlip, canal, KD, A.W.S. 4.2.34
Em. June 1934. E. jaceana Her.
2. Do-do. 19.6.34. O. cylindrica Dov. ♂.
3. Darrynane marsh, SK. A.W.S. ♀ E. jaceana Her. { "Perhaps E. notatilis L.
see Collins' paper
T. vectensis with [?]
Trypet..... [?]"
H.W.A.
4. Harold's Cross, DU. A.W.S. 30.5.34
~~and~~ Spilograpta zöe Mg. ♀
5. The Murreigh, WI. A.W.S. 27.5.34. Acidia lerachii L.
6. Harold's Cross, DU. A.W.S. 26.8.34. Spilograpta zöe Mg.
7. " " " " 5.9.34. " "
8. Quakeron, SK. " 2.7.35. } ~~Not a new species~~
Rivellia syngenesiae Fab. ♂ (Ortalid)
9. Same as 1 E. jaceana Her.
10. Bahana Wood, CW. A.W.S. 16.5.35. ♂ P. trimaculata Mg.
11. Povermount, SpK. WI. " 7.6.34. ♂ " "
12. Rt. bank, R. Boyne, ME. " 24.6.34. ♀ P. arcuata Fall.
13. " " " " " " " " " "
14. Povermount, SpK. WI. " 7.6.34. Sapromyza sp. ?
15. Laggart, DU. 6.6.34. " ~~Not a new species~~ Herina frondescentiae L.
16. Darrynane, marsh, SK. 12.7.34. A.W.S. " " ♀.

22.7.36 cont. Slade of Laggart, D.M. cont.

Cryptinae 1700, 232. belonging to about 5 species: including 4 slender, pale ones
one of which has a prominent head, the left hand compound eye being much more exposed & of
which the other is stalked & rather smaller than the other of the same size.

Leptocryptus *caesus* 2 1/2. *Stylops* 1 1/2.

Phygadeuon *chalybeius* 5 =

Leucocryptus *bellus* very bright red 1/2. *L. ornatus* 1/2.

Acronyctus *caesus* 100.

Proctos *fulvipes* 100. *Mesochorus* 100. *Stenobothrus* 100.

Leptocryptus *ornatus* 100. *Proctos* *fulvipes* 100. *Stenobothrus* 100.

Stenobothrus *fulvipes* 100. *Stenobothrus* *minutus* 2 1/2.

S. minutus 1 1/2. *S. (exilis)* 1 1/2. *S. (exilis)* 1 1/2.

S. (exilis) 1 1/2. *S. (exilis)* 1 1/2. *S. (exilis)* 1 1/2.

Mesochorus *fulvipes* 100. *Mesochorus* *fulvipes* 100. *Mesochorus* *fulvipes* 100.

Leptocryptus *ornatus* 100. *Leptocryptus* *ornatus* 100. *Leptocryptus* *ornatus* 100.

Alloea *fulvipes* 100. *Alloea* *fulvipes* 100. *Alloea* *fulvipes* 100.

Mesochorus *fulvipes* 100. *Mesochorus* *fulvipes* 100. *Mesochorus* *fulvipes* 100.

Mesochorus *fulvipes* 100. *Mesochorus* *fulvipes* 100. *Mesochorus* *fulvipes* 100.

Proctos *fulvipes* 100. *Proctos* *fulvipes* 100. *Proctos* *fulvipes* 100.

S. fulvipes 1 1/2. *S. fulvipes* 1 1/2. *S. fulvipes* 1 1/2.

S. fulvipes 1 1/2. *S. fulvipes* 1 1/2. *S. fulvipes* 1 1/2.

Leptocryptus *ornatus* 100. *Leptocryptus* *ornatus* 100. *Leptocryptus* *ornatus* 100.

Rhyssalus *fulvipes* 100. *Rhyssalus* *fulvipes* 100. *Rhyssalus* *fulvipes* 100.

Sigalphus *fulvipes* 100. *Sigalphus* *fulvipes* 100. *Sigalphus* *fulvipes* 100.

22.7.36 cont. Slade of Laggart, D.M. cont.

Chalcids *fulvipes* 100. *Chalcids* *fulvipes* 100. *Chalcids* *fulvipes* 100.

Mesochorus *fulvipes* 100. *Mesochorus* *fulvipes* 100. *Mesochorus* *fulvipes* 100.

Apanteles *fulvipes* 100. *Apanteles* *fulvipes* 100. *Apanteles* *fulvipes* 100.

Chalcids *fulvipes* 100. *Chalcids* *fulvipes* 100. *Chalcids* *fulvipes* 100.

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Chalcids *fulvipes* 100. *Chalcids* *fulvipes* 100. *Chalcids* *fulvipes* 100.

22nd July cont. Slide of Safford, Gu. cont.

Epilata (*Synaldis*) *distans*? 1♂. *A. longipes* taken? 1♂.

A. concolor? 1♂. *A. parvipes* 1♂.

Beomus adductus 1♂ & 1♀, 2nd.

D. areolaris 1♂, 1♀ & 3♀♀ taken by 1st ap. all seen!

D. aptanta? 1♀. This is *D. menelapa* 1♀. *D. areolaris* 1♀.

D. 1st 1♂. *D. 2nd* 1♂.

D. 3rd 1♂. *D. 4th* 1♂.

Altitia aurata? 1♂ & 1♀. *Altitia* 1♀.

Prora peruviana? 1 large ♀.

Proctos. about 12 to 20 seen.

26th July 1936. A fine day with a good deal of sun & only a couple of light drizzles of rain.

Canal bank from Portarlinton¹ to Woodhouse House² & scrub &c near back gate of last, Q. Co. [All labelled "Portarlinton" Q. Co.]

Bombus agrorum 3♀♀ taken near Portarlinton & other seen there.

B. jonellus 1 first ♀ seen near 2.

B. terrestris 1♂ seen. *B. hortorum* seen.

B. agrorum & *B. lucorum* common.

B. lapidarius 1♂ & 1♀ seen.

Andrena 1♀ taken near 1.

Halictus alpestris & *halictus* 1♂ & 1♀, seen.

H. pygmaeus 1♀ seen.

Hyalea confusa 2♀♀ swept by canal.

Salix exaltata 1♂ & 1♀ on canal &c. common.

Crataichneumon 1♂ by canal, on leaf.

Pimpla moniliata 1♂ by canal.

Anteon 5♂♂ all apparently the same sp.

Lasius = *Lasius apicatus* 1♂.

Euphranta? 1♂ red, with white prolegs, wing black.

30th July 1936. Dry, sunny, dull & rather windy (W)
with depression approaching.

Upper Liffey valley, above & below the foot-stick bridge
at Athdown, Co. Wicklow, 700-800 ft. alt.

(Drive to Athdown by J. P. Brumker!).

Bombus agrorum & *terrestris* seen: 1 sp. of *terrestris* seen
Andrena cruenta ♀♀ seen in grass.

Pompilus pictus ♀ seen. *Crabro claviger* ♀. *Pompilus* *fulvipes* ♀.

Teuchoclypeus *arvensis* & *attalus* sp? seen.

Teuchoclypeus *livida* seen.

Chalcidius 2 sp. (2000).

Braconichneumon *abundans*: 100. *Cratichneumon* *fabriolus*? small ♀.

Exochus 7. 2000, 1 ♀. *Exochus* 2. 1000, 1 ♀.

Exochus 2000. 1 ♀.

Exochus 2 red 200. *Exochus* 2. 1000.

Exochus? 2 sp. (2000). *Exochus* 2000.

Exochus *arvensis* 100. *Exochus* *arvensis* (small) 2000, 1 ♀. 4 sp. 2000.

Little *Exochus* 2000, 1 ♀.

Pimpla maculata (small) 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100.

Pimpla *concolor* 1 ♀. *Glypta elongata*, large, 2 smaller ♀♀. 100. *Glypta* 100.

Homocidus pectoratorius 2000.

Stenomacrus 2000. 1 ♀ = sp. from Tollymore, LE, 1000, 1 ♀. *Stenomacrus* 1000, 1 ♀. *Stenomacrus* 1000, 1 ♀.

Stenomacrus 1000, 1 ♀. *Stenomacrus* 1000, 1 ♀. *Stenomacrus* 1000, 1 ♀.

Stenomacrus 1000, 1 ♀. *Stenomacrus* 1000, 1 ♀. *Stenomacrus* 1000, 1 ♀.

30.7.36, cont. Athdown, W.I., cont.

Exochus 2000. 1 ♀. *Exochus* 2000. 1 ♀. *Exochus* 2000. 1 ♀.

Exochus 2000. 1 ♀. *Exochus* 2000. 1 ♀. *Exochus* 2000. 1 ♀.

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Exochus 2000. 1 ♀. *Exochus* 2000. 1 ♀. *Exochus* 2000. 1 ♀.

12th Aug 1936. A fine day, with SW-10W gentle breeze, & some good sunny spells, after a little drizzle at evening & the same on the previous evening.

Slade of Lappant, Co. Dub. 2.30 till 4.30 PM.

Vegetation very wet in all the good places & so sweeping very difficult: many insects flying but ignored.

[no aculeate seen at all except a few of *Oxygaster*]

Athalia sp. many seen: ignored. ^{See p. 185}

Dolerus species 1 fine fresh of swept amongst grass by stream

Stenobothrus *delicatulus* 1 large of common

Schizura spp. a number of yellow & black, small, 1st seen.

Corticeus 100 (probably *fabricator*).

Chilomen *pygmaeus* 100 274 (also a small one) *binusculatus* 1

Gen. of sp. 19

Pezomachus *infulatus*? 12 (also a small one) 2nd fresh of the sp.

Homocidus sp. *apicatus* 18, large with series of small ones for *Tranypha*, 50

Hemiteles 1 19. *Abrochus* *luculentus* 2nd, 1 2nd 13

Cryptus 4 small 1st 1 (in 2nd) 1 *Cryptus* 1 (in 2nd)

Stenomacrus 1st

Lissonota *fulvipes* 2nd 19 seen. *L. glandulosa* 100

Mesochorus 3 1st 2nd = *M. (Acantus)* *fulvipes*? 2nd 2nd, also 1st yellow *Stenomacrus* 1st

12.8.36 cont. Slade of Lappant, Slu. cont.

Ecthytus *fontinalis* 19

Stenomacrus sp. 19. none of *S. rufipes* but not that.

Homocidus *pubescens* 100. *H. pictus* 19. *H. pallipes* 100

Promethes *subulatus* 2 large 1st 1st of 1st seen in 1st 1st (at a time) 1st 1st 1st 1st 1st 1st

P. subulatus 18

Bassus *luculentus* 1

Argulus sp. 100 14. *Platygaster* *fulvipes* 2nd 1st 1st

Tranypha sp. 18. *Tranypha* 100

Stenomacrus 1st

Phaenocarpa *nigricornis* 19. *R. tricolor* 19

Apanteles *fulvipes* 274

C. fulvipes 1st

Meteorus *reluctans* 19

Blacus *europaeus*? 200. *Macromacrus* *fulvipes* 19. *Stenomacrus* 1st

Leptocryptus *marginatus* 19. *Centistes* *luculentus* 200

Opius *arvensis* 18

C. caligatus? 200

16th Aug. 1936. A very warm & fine day, though windy (SE) at times: much very hot sun: insects very active!
District between Emo Park & Portarlington, Co. QC.

12 noon till 4.30 PM.

1. = Sand pit on by road NE. of Emo Park.
2. = Edge of bog, &c just NW of last.
3. = Sand pit near N. gate of Woodbrook House.
4. = Canal bank from Woodbrook back to Portarlington Sth Station.
- Bombus lucorum* only one or two seen, at 1 & 2.
B. agrorum, perhaps a couple of dozen seen all day.
B. muscorum about a dozen ♀♀ seen & a couple of ♂♂.
B. descurtator several ♀♀ seen.
B. sylvarum several very young ♀♀ seen at 2.
B. lapidarius 1 ♂ certainly seen at 1.
Psithyrus distans 1 ♂ seen at 2.

Andrena marginata ♀♀ frequent at section at 2, ♂♂ rarely seen at 1, 2 & 3.

A. fuscipes ♂♂ very abundant at Calluna at 2, some fresh, others quite withered, white with age: 1 ♂ seen.

Halictus rubicundus, *calceolus*, *atropis*, *pygmaeus*, *thymelicus* certainly seen, ♀♀ & ♂♂.

Specimens taken at 1, 2 & 3
labelled 'No. Emo Park',
but those taken at 4 kept
separate & labelled
Portarlington
Co. QC. PWS.
16.8.36 (4).

15. & 36 cont. Emo Park - Portarlington, QC. cont.

Sphindus affinis ♂♂ seen.

S. nubilicornis ♂♂ taken, other of this sp. or *divinus* seen.

Colletes succinea ♂♂ at 3, none repeated, seen in August.
Hylaeus confusus 1 ♂ at 1.

Vespa austriaca ♂♂ at 2 & 4; latter on Angelica & carrot.

V. sylvestris 1 ♀ on Angelica at 4.

V. norvegica 1 ♂ on Angelica at 4.

Odynerus sinuatus ♀♀ seen at 2 & 4, on Angelica.

Crabro carpinus, *elysiensis*, *repens*, *rarinus*, & *clavipes* seen at 2, 3 & 4.

C. podopneustes ♀♀ common at 1 & often by sweeping amongst carrot.

Meloboris curvatus, 1 ♂ at 3 & 4.

Chrysis ignita 1 seen on Angelica at 2.

Psithyrus caelestis 1 ♂ swept at 1 & 2 & another ♀ at 4.

Atalapha ♂♂ seen.

Theridion *maudslayi* very common at 1, 3 & 4.

Tenthredella nubilata 2 fine ♀♀ at 4 (on Angelica).

Small sp. taken flying over Calluna at 2.

? = very small sp. of *Scutellera blattellae*?

194

20th Aug. 1936, cont. Phoenix Park, D.H. cont.

Daenusa talarii 1 fine ♀.

D. [cf. *senilis*? several small] Nixon says ?? cross *talarii* of *senilis*.

D. *talarii* 1 ✓ Nixon agrees 14/4/37.

D. *ovatus* 1/2 small variety. Nixon agrees 14/4/37.

D. *clavicornis* 1 ♂, 1 ♀, 2 ♂, Nixon agrees 14/4/37.

D. "black *clavicornis*" = *D. cyclops* Nixon 1. Nixon agrees.

D. *pallidicornis* = *Aphanta* (Nixon) Nixon agrees.

D. *evadensis*? only 1 ♂ swept: with sternali. Nixon says *evadensis*.

D. *deparvula* 4 Nixon agrees 14/4/37.

Pygostolus affinis 1 ♀.

Pygostolus 1 ♂, 1 ♀, of male form, not on card.

Chasmodon angustatus 1 ♀.

Chasmodon anap 1 ♂ at 3. A. of? 1 ♂, 1 ♀, not on card.

Aphidius? only fine kept. = *A. areolaris* 2 ♂♂ & 1 ♀, not on card.

A. of 1 ♂, 1 ♀, not on card. 1 ♂, 1 ♀, not on card. 1 ♂, 1 ♀, not on card.

Monoblastus? 1 ♂

Brachymeria 1 ♂.

♂ *Phaenocarpa* aff. very abundant at one spot at 2 on N. side of glen at foot of slope, 100 yards below sewage tank from house, amongst *Brachypodium*, 11 ♂♂, 1 ♀ kept (latter not on card).

195

20th Aug. 1936, cont. Phoenix Park, C. & D. cont. *Proctos.* cont.

Chalcid ♂ = *Stenomacrus ruficornis* Nixon 2 ♂♂, 1 ♀, Nixon 1937. One of these is undoubtedly referred to *St. ruficornis* A. 42 33 39.

Diptera. At one spot at 3 the grass under one rock for some yards was black with so many were there that 2 sweeps of the net collected about 4 inches cube of them & I wondered what the result in the net was.

[20.6.36. *Ophiura* ♂, ♂ taken in house, Ballymount, Co. Du. at 9 P.M. by E.D. Kehring.]

196.

21st Aug. 1936. A fine day, warm, much sun
but rather strong S.W. wind, showers in afternoon.
Lagore, Co. Meath.

All insects taken mostly by sweeping, in marshy
fields & plantations left at S.W. corner of the
old Lagore House estate & next the site of the
James's canal, partly excavated in middle of
19th century by Sir William Wilde & just finished
by the Harvard Univ. archaeologists.

Bombus agrorum & lucorum ♂♂.

[*Helictes* sp. numerous along ditch near Dunshaughlin
& rubicundus, calceatus, albipes & pygmaeus probably seen]

Verpa vulgaria ♂♂ only two common about drainage ditch.

Crabro chrysanthemum ♂♂ & especially ♀♀ & common, esp. on *Angelica*.

Periphodon shuckardi ♂♂. Many of brought home from field
are very small to *caripicus* 1/2 size.

Psalidocnus novilicornis on dead tree (birch). 29/3/37

Selandria rufa ♂ & ♀ swept.

Athalia rufa on lime tree.

Anticonura testulata 10th on birch & a ♀ swept on *Salix* marshy.

Tenthredo armata very common.

197.

21.8.36 cont. Lagore, ME cont.

Selandria extensor 1 ♂ *Selandria rubicunda* ? 1 ♂

Meloboris maculatus 1 ♀ *Discoloma* ? red ♂

Chrysomelid metatorius 1 ♀ *Centistes* cf. *imitor* ? 2 ♀

Phaeogenes sp. ♂ (1 ♂) *Ph.* sp. 2 ♀♀ 1 ♂ 1 ♀

Homocidus brevis 1 ♂ *H.* sp. ? (small *Homocidus*) *Tryphon* 1 ♂

Euclyptus ? 1 ♂ (1 ♂) *Chalcid* ? 1 ♂ (1 ♂) *Stelidota* ? 1 ♂ (1 ♂)

Phygadeuon ? (brought back from ♀, red thorax & ant. 1 ♂ 1 ♀ 1 ♂ 1 ♀)

Other *Tryphon* 2 ♂♂ 2 ♀♀ =

Glypta rusticata 1 fine large black ♀, ♂ seen

G. curvata 1 ♀

Pimpla flavicornis 1 ♂ examined.

P. flavicornis ? 1 ♀

Leucospis cylindrica 1 ♀ examined. *L. variabilis* 1 ♀.

Tryphon elongatum 1 ♀ examined.

Dysphalus pinnator 1 examined.

Mesochorus 1 ♀ on *Angelica* along road.

Promethes sulcator 2 ♀♀ *P. pulchellus* 1 ♀

Homocidus fuscicornis ? 1 very small ♂. *H. pallipes* 1 ♂.

198

21.8.36 cont. Lazon, ME cont.

Euclyptus procerus 1♀.

Camptopoda 6 (2 off) =

Theridion ? 1♀

Parasus fulvipes 1♀. 23. common with 1♀.

B. sp. ? 1♀, 23 seg. antennae, very apertures?

Chelonus sp. ? (10 or 11?) sp. to *parvulus* Marshall.

Aspilota *laticornis* ? 1♂

A. falcator ? 1♂, 25 seg. ant. on one end.

Agrocyba *globatus* ? 1♂

Microplitis *mediana* ? 1♂

Exochus *caudatus* ? 2♂ (one on end).

Helorus *abdominator* ? 1♂

Mesochorus *unipunctus* (25 seg. ant.) *M. abdominalis*, 1 antennae 1♀.

Opius *apiculatus* ? 25 seg.

199

21.8.36 cont. Lazon, ME cont.

Pentapleura *purpurea*, common, 7 25 kept & etc. on one end.

Aspilota 1♂, 25 seg. ant. and etc. & very "up to like 5 miles" but 1♀ has 18, & the other must have 22 seg. antennae, which it has 22 seg. antennae: kind of the 2nd stage, with 2nd disc.

Dacnusa [no sign of *D. areolaris* !]

D. sp. 1 ♀, 18 "small larvae" = ? *Dacnusa* *mix.* A.W.S. 17.2.1938

D. areolaris 1♂ 25 seg. (i.e. *denticulata* Nixon!) [Nixon & Green! 25.2.1938]

Gyrocampa *affinis* 1♀.

Chasmodon *conspicua* 25 seg.

Chasmodon *unipunctus* 1♂, 1♀.

Aphidius *avenae* ? 1♀.

Proctos : very rare: only 1 small species kept here.

[21.8.36. *Cryptus* : small ♂ taken in house, 4 Blenheim Rd.]
[21.8.36. *Cryptus* : small ♂ taken in house, 4 Blenheim Rd.]

[22.8.36. A very melanic ♂ *Bombus* *lapidarius* taken on *Crataegus* in garden, S. 30 PM, at 14, Blenheim Rd. which was at first mistaken for *Bombus* *agrorum*: it has practically no trace of yellow band on front of thorax; but feet are yellow-banded as usual. A.W.S.]

23 Aug 1936 Very fine day, warm & with much hot sun, but too windy till 2 p.m. for insects, late calm & very hot. With Palmer.

Slade Brook, Upper Glenasmole, Co. Dub.
 See also 12/8/36 12/8/36 as on 7/8/35 & previous occasions. ^{from hill} 4 P.M.
 Most small insects swept in upper end of grazing field on rt. bank of Slade ⁽¹⁾ & below the moor, the others taken by stream & mostly in "the gorge" at about 1000 ft. ⁽²⁾

Bombus agrorum, *lucorum* & *lapidarius* ♀♀, not common.
B. lucorum 100 (Palmer)

B. muscorum 1 very fresh ♀; also one quite faded ♀ still working & a faded ♀.

Andrena fuscipes ♂♂ abundant over moor on left bank as usual & a few fresh ♀♀ seen at road; one ♀ taken by water course 1/4 mile above road.

Halictus albifrons, *caeruleus* & *fulvipes* seen: 2 or 3.
H. lineator ♀ seen.

Sphecius ruficornis 1 very well ♂ with last.

Homocidus ruficornis 2 (♂ & ♀) at camp, with *fuscipes* in old mine channel.

H. ruficornis 1 very young ♀, with last.

Meloboris curvicauda ♂♂ & ♀♀ abundant.

Proctos *inversorum*, seen by Palmer.

Ichneumon 1 ♀ flying over leather: given to Palmer.

Selandria caerulea? 1 ♂ (? 2 + broad) ^{from hill} 4 P.M.
Crocus *apollinis* ^{from hill} 4 P.M.
 1 black ♀ on 21.5.27; 3 small ♂♂ on 24/5/27; 1 ♀ on 1.2.37; 242 on 8.7.37.

23.8.36 cont. Slade Brook, DU, cont.
Ichneumon *dermatorum* One fine ♀ on *Salsola* at 2.
Ichneumon *dermatorum* 1 ♂

Phaenocarpa "2" yellow face & antennae black, pal. abd. 11" = 2 ^{from hill} 4 P.M.
Phaenocarpa *notata*? 1 ♂ Gen. cl. of ? new last, but head mutilated.
Anthus *pallidus* 1 ♀ on *Salsola* at 2.

Ichneumon *affinis*? 1 ♀ *Phaenocarpa* of 1 1 ♀
Cryptus 1 ♂ Old *Cryptus* ♂ & ♀ 2

Dacnusa *papilion*? 1 *Microgaster*? 252
Euclyptus of 2 ♂♂

Attractus 1100, 1 ♀, red-f. but 2 all same sp.
A. lineator? 1 ♂ & ♀

Homocidus 1 ♀
Leucospis *variabilis* 1 ♀, also a small ♂, with head mutilated, probably this sp.

L. variabilis? 1 ♀
 [My *Stenobothrus* seen all day!]

Stenobothrus 1 ♂ *Stenobothrus* *remipes* 1 ♂
Stenobothrus "2" very small 1 ♂

Theridion 1
Stenobothrus *cellidus* = } 1 ♂
Stenobothrus *indistinctus* }

Bombus *pulchellus* 2 ♂♂
Homocidus *longicauda*? 1 ♂

Bombus *terrestris*? 1 ♀

Two caterpillars - *Polistes* *collet* etc.
Camponotus *luteus* in hole - 1 ♂
 1 per 17 1937. A.H.S.

Subsequently (18/5/37) 5 large, dead, ♂♂ with 1 *Homocidus* found in jar & presumably bred from one of the *Bombus* larvae, which were all very large & so presumably old ♀♀. A.H.S. 1937.

23.8.36, cont. Slade Brook, DU., cont.

Schizotoma capitata? 3♀♀

Metacoelus? 2 almost black ♀♀

Anth. nuda, black, half the length of ♂. 2♂♂

Platycampus? 1♂

Theridion sp.? 1♂, 1♀ (on same sand)

Chlor. pumilio 1♂. ♂ of? black, all over 27 seg. ant. as but no spiral ^{pinna}

Aphantus falcatus 4♀♀. *A. collidens*? (♀?)

A. y. pallidus 1♂, 1♀. *A. helidius* 1♂? 1♀

Acanth. subparvulus 1♂

Pentapleura acuta? 1♂. *Metacoelus confusus*? 1 small, pale ♂

Eutima laudata 1♂

Opius irregularis? 1♀. *O.* of small *apiculator*? 5/8 (283)

Biorhiza confusum Hal. 2♀♀

B. of smaller - pale stigma 1♀ = ♂?

B. of black, small 1♂. 1♀ = *rosae* Hal

Pentapleura angustula 1♂. *P. pumilio* 2♂♂ 4♀♀, frequent

Capitula of *sticticus*? 1♂

Dacnusa cf. *cyclops* var. 4♀♀. *D.* of *sticticus* group 2♀♀

Dacnusa ♂. *D. maculipes* 2♂♂. *D. lutea* var. 1♂ (ANS. 1938).

D. pubescens 1♂

Gyrocampa affinis 2♂♂, 3♀♀, none seen. *G. uliginosa* 2♂♂ on same sand.

Chorebus conjugens 1♂, 1♀ on same sand.

23.8.36 cont. Slade Brook, DU., cont.

Biorhiza 40.11 =

[23.8.36. From stomach of a trout (No. 1) caught at Ballysmutton, River Liffey, Co. WI., by Mr. W. C. Frost (Fisheries Dept.) Lottman & I. Reprinted, identified by B. O. U. Richards. a.]

25th August 1936. All sunny, very hot, but with cool easterly breeze: many insects out nevertheless.

Glasgow, Co. Gal. with Fergus Allen. 2.30-5.30 PM.

All insects taken by sweeping, mostly in shade under trees or along road, from lower dam to plantation near top of upper reservoir, at various places, but all beside road along "western" side of reservoir.

Bombus agrorum & *Halictus rubicundus* & *coleratus* the only

Acanth. nuda.

Allenia pallipes 1♀ swept off ground back in flower.

Chalcid. nuda.

Sim. or. Schumacher seen but not taken.

Chorebus laudata 1♂.

Cryptus 1♂

Phygadeuon 1♂, 1♀

25 & 36 cont. Glenasmole, Co. DU cont.

Henilia cf. *ovata* 16. 2000 (not kept).

H. cf. *ovata* 3000.

Leptocryptus 100.

Pezomachus 100.

Euclyptus 100.

Pimpla flavicornis? 100 (not kept).

P. flavicornis 100 (not kept).

Liometes 100.

Rhyssa perneator? large ♀, station of this species at water-works path onto main road at Fort St. John. I could easily have caught it, but at first thought it was a large *Tipula*. I got over it was *Rhyssa* though so late in season. *Sirex* sp. but seen particularly abundant about 12th to 20th of the month.

Dyspates praeator 1 (not kept).

Bassus trilineatus 1 (not kept).

25 & 36 cont. Glenasmole, Co. DU cont.

Proctos 2000, 2000.

P. sp. 2000.

Mesochorus 100.

Microgaster 100.

If 2 large yellow spots on vertex, a "butterfly".

Stenomacrus 100. *S. sp.* 100.

seen & captured in
Shade of hedge on
25/7/35
+ all coming by
5.00 PM. 1st
not kept. 2nd
kept.

Polyblastus 100, with larvae attached to timber.

Camptoplegid 2000.

Theridion? 2000 (in same card).

Phaenocarpa 100.

Stenomacrus 100. J. F. Parker (1934) says this is *granulatus* Hal.

Bracon fulvipes 200. *B. communis* 100.

B. anthracinus? 100 small.

Apanteles sp. with 2000. 100, pale type.

Apanteles sp. with 2000. 100.

Meteorus punctator 100.

Blacus 100.

Leptocryptus 100. more probably *Leptocryptus* sp. Hal.
21/5 1/1/750.

25. & 26 cont. Glenasmole, Du. cont.

Opis. cf. apiculata group? 1 ♂, 2 ♀♀ not identified

Stenichneumon *caelestis* Hal 1

Aspilota (*Praon*) *viridis*? 1 ♂. *A. pusillicornis*? 3 ♂♂.

A. cf. h. l. 5? 2 ♂♂

Pentapleura *pumilio* 1 ♂, 1 ♀.

Dacnusa adducta 1 ♂, 2 ♀♀.

D. areolaris? 4 ♂♂, 2 ♀♀.

D. longiradicis m 2 ♂♂, 1 ♀.

D. gilvipes no 2? 1 ♂, 2 ♀♀.

D. pallidicornis? 1 ♂, 1 ♀.

D. cf. red abd. 30 very common

Gyracampa affinis 2 ♂♂, 1 ♀ (very common). *Stenomacrus conjugens* 1 ♂.

Aphidius not taken & several others (none kept).

Proctos. Phaeogenes 5

Other Proctos 14

Gyracampa 1

Chalcids 21

30th August 1926. A dull day & most places too wet to sweep.

Took Bus to Ballynabreena & with M.D.S., G.M.S., & my brother Sydney who I had not actually seen since 1913, walked up to Ballinacorney Gap & over into Glenasmole: only collected a little on way down to upper dam & on S.E. slope of latter. Most insects taken in lane leading off mountain & not far above upper dam, but did not collect seriously.

Glenasmole, Co. Du.

Stenichneumon *caelestis* 1 ♀. Cryptids 1 red. ♂.

Exochus 1 ♂.

Attractodes sp. 3 red.

Promethes 1 ♂.

Bracon fulvipes 1 ♂. *Rhyssalus* *trichus*? 1 ♂.

Opis. aspilota group 1 ♂. *Stenomacrus* *conjugens* 1 ♂.

Phaeogenes *rufipes* 1 ♂. *Aspilota* *pusillicornis* 1 ♂.

Dacnusa 1 ♂.

D. areolaris? 1 ♀.

Stenomacrus *conjugens* 2 ♂♂.

Ischnura 1.

[31.8.26. *Ophion* *luteus*? 1 ♀ taken at Ballynabreena, Co. Du. by E.D. Matvey, also 1 very small *Bracon* or *Stenomacrus*?]

5th till 12th Sept. 1936.

London trip with George to make arrangements for his going to Northampton (Polytechnic) Engineering School, London, E.C.1, 'till he gets for matric'. Left Westland Row, Dublin at 11.25 on Sat. 5th & reached London that night (via Holyhead - summer service). On 6th we went by train to Watford & walked N. along canal & Cassiobury Park to King's Langley, then had lunch & on by bus to Berkhamsted to see Charles Oldham & his new home. At C.O.'s new "deer pond" collected *Gyrocampa uliginosa* & *Chamaea conjugens* ^{& *Chamaea nivalis* etc.} off waterplants with netter, but otherwise I believe all insects taken in the

park near Watford, both places being in Herts. On Tuesday & Wednesday was in London & spent some time in B.M. with Benson & Nixon, also met Thompson the flea-man. Thursday morning also spent in B.M., but in afternoon went with George to Hampstead Heath, M.X., where saw many nice bee-hives & paths, but everything too wet for collecting & the only hymenoptera seen were some wasps.

5th till 12th Sept. 1936 cont. London Trip, cont.

(*Yerspa germanica* or *uliginosa*? ♀♀) & one *Bombus agrorum*. Spent Friday morning in B.M. & left London for Chester by 2.40 train, then spent the night. On Sat. 12th left Chester at 8.20 AM & arrived Holyhead at 11.0, but thick wet mist prevented any collecting of insects. On rock E. of harbour-mouth took one specimen, living, of *Trochus lineatus*, which I subsequently sent to Miss Nora Fisher for Liverpool Museum. One ♂ Campoplegid - taken on dining table of Queen Hotel, Chester, at 8 PM. on 11th Sept.

6th Sept. 1936. Slope W. of canal, Cassiobury Park, Watford, Herts.

Faintly swept under trees or taken off *Angelica* flowers, but grass &c. too wet to sweep properly!

Bombus agrorum

B. terrestris ♂ or on *Angelica*

Alomyia debellator on *Angelica*: the red part of abdomen remarkably dark orange & brownish than in Lind examples.

6.9.36 cont. Barnetbury Park, Welby, Herts, cont.
Leucostoma basalis 2 ♀♀ on *Aspidistra*, with black - seen
Promethes sulcator 2 ♀♀

Brachon obscurator 1 ♀

Opius areolaris 7 ♀♀, rather variable in size & color, with
 20 faint brown lines on front of scutellum.

Aphidius 1 ♂

Triclistus aeneus 2 ♀♀

Diapriid ? 1

Chalcid 2

6.9.36. aft. Charles Oldham's garden, "Oxfield",
 Sharnbrook, Berkhamsted, Herts.
Bombus agrorum, *lapidarius* & *terrestris* ♂♂
 on flowers in herbaceous border.

Gyracampa uliginosa on water - weeds in pond.

Chenusa rufipes " " " "

Chalcid nigriventris 1 ♂ " " " "

13th Sept. 1936. Went by train to Baltinglass, Co. Du.
 but everything too hot to keep & strong S.E. wind.
 Collected in fields along coast, 1 mile N. of station
 but not possible to do much. Very hot sun.
Halictus rubicatus & *allipon* 100 of each seen. ^{fuller than 1936.}
Sphacodes affinis 1 ♀ seen.

100 of each seen
 later in time
 1936

Leucostoma ? 2 ♀♀

Pezomachus instabilis 1 ♀

Euphranta 2 ♂♂, 2 ♀♀ pinned; 1 ♂, 3 ♀♀ not pinned. *Hemiteles*

Stygobromus ? 1 ♂

Pimpla brevicornis 1 small, very young ♀

Leucostoma sulphurea 2 ♂♂

Stenomacrus cf. *rupestris* 1 ♂, 1 ♀

Blacus cf. *areolaris* 1 ♂

Promethes sulcator

Platygaster ? 1 ♀

Microgaster ? 2 ♂♂, 2 ♀♀, not pinned, in wind.

Metacoelus 1 ♂

Aspilota ? 2 ♀♀

Diapriid 2 ♂♂

Taken at Baltinglass, Co. Du. by E. O'Malley on 13.9.37.
Opius
 " *Brachon*
 " *Diapriid*

13. g. 36 cont. Balhyjze, Lu cont.

13.9.36. 5 P.M. Garden, Harold's Cross, Dublin

Sars & John Fred & Benson horticulturist at Snapdragons
Flower, pink before shown & equal.

15th + 16th Sept. 1936. Garden, 14, Coleridge Rd., GH.

Bombus agrorum near (109). 164

Vireo germanicus ♀ on post-1st brood, Feb. 1844.

Howeidae ornatus, page 5.

25th Sept 1936. A perfect autumn day, all morning
 after a heavy dew & misty morning.

Spent morning in garden, 14 Clareville Rd.,

Dublin & afternoon in duty in Museum.

Garden, 11.0 to 1.0 PM.

Bombus agrorum on a big red clover.

Halictus confusus several of them.

Did not see any other bees, but a few flies & butterflies
 on the red clover.

Phaenocarpa dimidiata 1 ♂

Limonia 1 ♂

Hemiteles 1 ♂

Chalcid 1 ♂

Chalcid 1 ♂

Chalcid 1 ♂

Chalcid 1 ♂

Bombus lucorum 1 ♂

Chalcid 1 ♂

Stenichneumon subpictus
 all black 4 or 5/9/36
Bombus lucorum 1 ♂
 very small 24/9/36

7th list of insects found in
 from 1936, see p. 222
 E. O'Malley
 Sept 22 1936

27th Sept. 1936. Much colder than previous week
 & a dull threatening morning (NE-NW gale) & not clearing
 till early afternoon.

Rode with Daisy to Slade of Saggart, Co. Dub.

George having left for London the previous morning

to take up work at the Northampton Polytechnic (Engineering

College). Quite a lot of hymenoptera out, but mostly

Ichneumonidae & few Braconidae. On a large

thistle (*C. lanceolatus*) in full flower above J. J. J.

was 5 or 6 *Psithyrus distinctus* & 1 or 2 *B. rufescens*

all very torpid & evidently had spent the night

"out"; also 1 *B. rufescens* which was more

actively, inhibiting, nectar. By along road

just well in flower in places. All insects taken with

W. side, Slade of Saggart, Co. Dub. 1 to 3 P.M.

Euphytes nectarius, 1 deformed ♂ on thistle under tree.

Phaenocarpa pubescens 8 ♂ very common

Lygodes, *Chalcid* 1 ♂ *Hemiteles* 1 ♂

Cryptid 1 ♂

Chalcid 1 ♂

Chalcid 1 ♂

Chalcid 1 ♂

216

27/9/36 cont. Slide of Lappant, G. 844 cont.

Aletris, scutell 1

Pemph. scutellator 100, caud.

Pemph. pulchellus 9 caud.

Stenomacrus scutellator 100, several 44 (not kept)

Orthocentrus 2nd pair, also 2 of same sp. = "pale" 11/2

O of yellow legs 10

Acrocephalus dentifer 100

Chloroceryle 10

Tricorys flava 233 on cow-pats

Stenomacrus 100

Alysiid manducator, very large 44, in numbers on south-containers
some dead & some sticking, "animal": like pined like dead dog

Adelura sylvis 100

217

27/9/36. Slide of Lappant, G. 844 cont

Aspilota 200, 222, 244

Dacnusa adducta 1 very large 100

D. communis 100, lateral: = *crassicornis*, 100. *D. petiolalis* 100, 1 fine 9.

D. aphanta 100

D. areolaris 100

D. longicauda 100, small 4, with 100, 100

D. areolaris 100, 100, 100

Most *Proctos* sent to Nixon: 100, 100

4/10/36 cont. Slide of Lappart, G. Sec. cont.

Aspilota - 15 ex. fl. & about 6 off. 2 *A. (Aspilota) concolor* id. 15.

Dacnusa (areolaris) 37 none). *D. areolaris* 12 *D. areolaris* 2 101

D. pubescens 37 1 or 2 off. 102

D. longiradiata 81 several off. 8 also 101

D. adducta 100 24 frequent (most sent to Nixon!)

D. aphanta 100 24 frequent.

D. areolaris 37 10 (Nixon agrees in litt. dated 26/11/1937)

D. lateralis common black form of Nixon 173 = 2. ex. Nixon

Gyrocampa affinis frequent, several 98, with legs of
2 long of abd. faintly striate (most sent to Nixon!)

G. uliginosa several.

Ephedrus 19.

Aphidius, about 10 ex. fl. but none kept.

Exochus 2 101 102 103

4/10/36 cont. Slide of Lappart, G. Sec. cont.

Praon. ^{most} *Phaenocarpa* off. sent to Nixon!

Continued on p. 70 of vol. 8.

11/2/52

